

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100219\
 Data File : BN007969.D
 Acq On : 02 Oct 2019 17:18
 Operator : JU
 Sample : K5078-14DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW129-092519DL

Manual Integrations
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mohammad
 10/4/2019 8:16:25 AM

Quant Time: Oct 03 07:03:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 18 18:24:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	6028	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	25390	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	16223	0.40	ng	-0.02
19) Phenanthrene-d10	17.06	188	34506	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	36691	0.40	ng	-0.02
34) Perylene-d12	23.47	264	39922	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	936	0.05	ng	0.00
5) Phenol-d6	6.87	99	1255	0.04	ng	0.00
8) Nitrobenzene-d5	8.82	82	1004	0.05	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	1975	0.05	ng	-0.01
14) 2,4,6-Tribromophenol	15.80	330	383	0.04	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	2735	0.04	ng	0.00
25) Fluoranthene-d10	19.09	212	4865	0.04	ng	-0.01
29) Terphenyl-d14	19.70	244	4031	0.04	ng	-0.02

Target Compounds				Qvalue		
9) Naphthalene	10.51	128	1615	0.023	ng	# 77
16) Acenaphthylene	14.03	152	11509	0.134	ng	100
17) Acenaphthene	14.38	154	5749	0.104	ng	98
18) Fluorene	15.37	166	7667	0.108	ng	96
23) Phenanthrene	17.10	178	248872	2.315	ng	100
24) Anthracene	17.19	178	20679	0.213	ng	# 91
26) Fluoranthene	19.12	202	519906	3.890	ng	99
28) Pyrene	19.49	202	426779	3.410	ng	# 96
30) Benzo(a)anthracene	21.24	228	186591	1.381	ng	96
31) Chrysene	21.28	228	211596	1.607	ng	97
32) Bis(2-ethylhexyl)phthalate	21.18	149	6914	0.099	ng	# 94
33) Indeno(1,2,3-cd)pyrene	25.67	276	165003	1.001	ng	96
35) Benzo(b)fluoranthene	22.81	252	305755	2.206	ng	99
36) Benzo(k)fluoranthene	22.85	252	106256m	0.775	ng	
37) Benzo(a)pyrene	23.37	252	201081	1.544	ng	99
38) Dibenzo(a,h)anthracene	25.68	278	36434	0.273	ng	# 84
39) Benzo(g,h,i)perylene	26.35	276	166889	1.266	ng	99

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

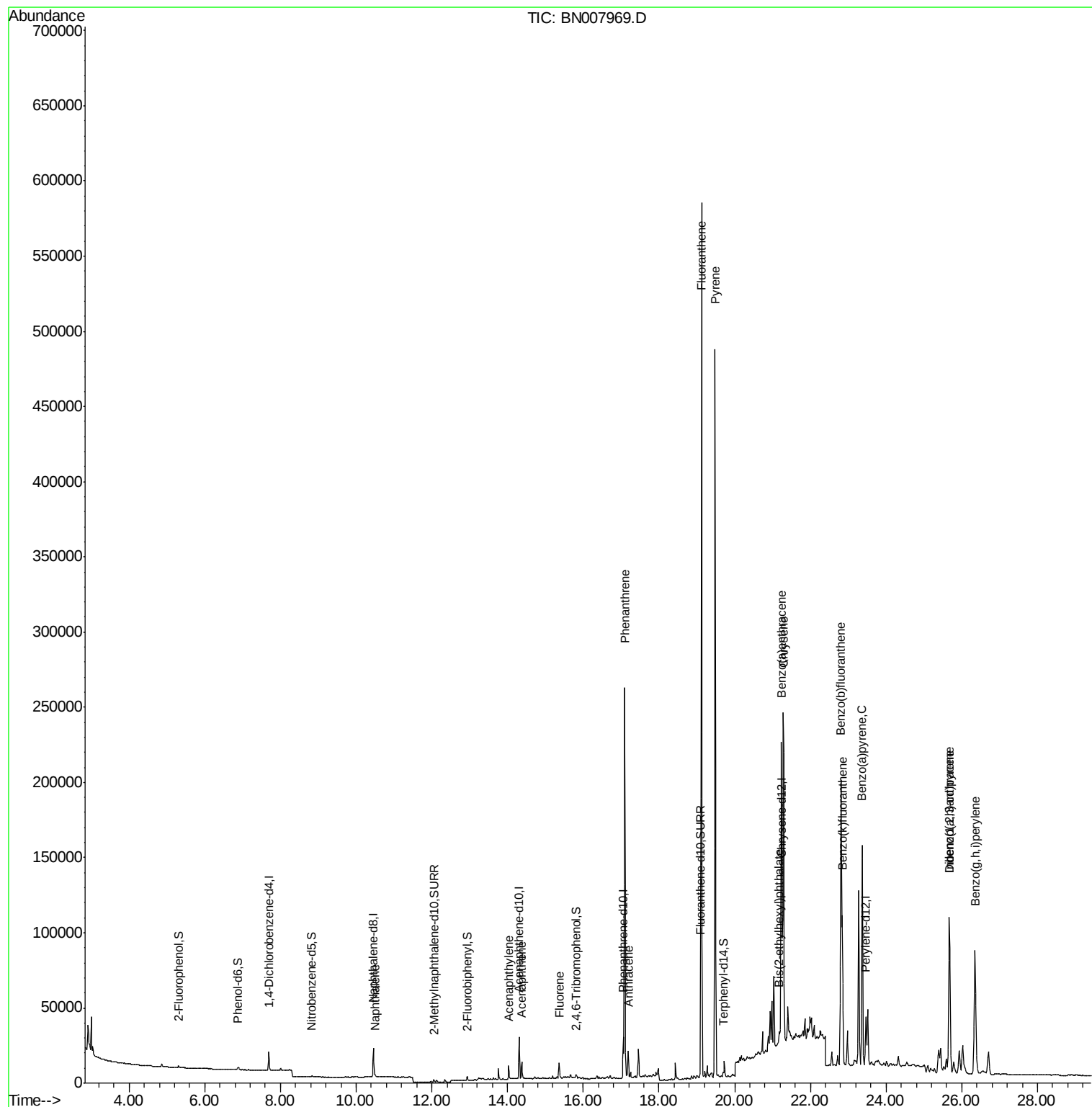
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100219\
Data File : BN007969.D
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

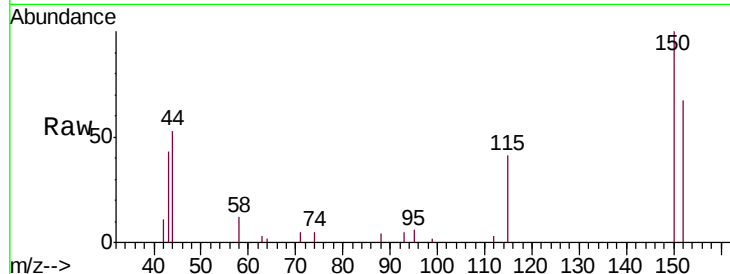
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

Instrument :
BNA_N
ClientSampleId :
PST-024-SW129-092519DL

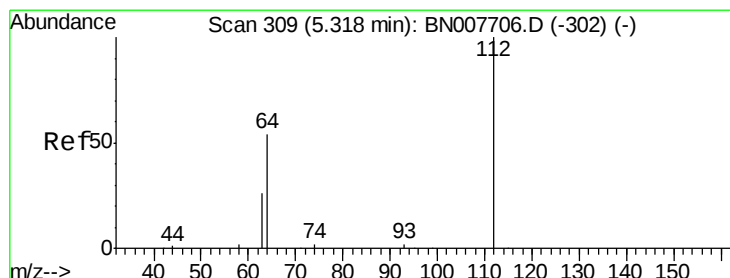
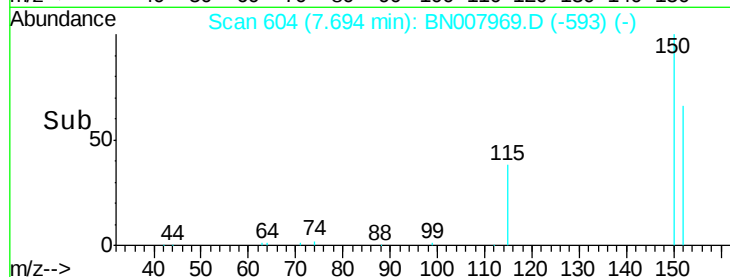
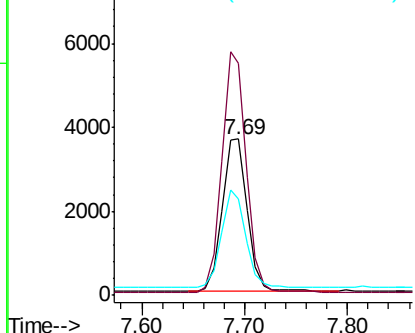
Tgt Ion	Ratio	Lower	Upper
152	100		
150	148.7	125.6	188.4
115	61.6	53.3	79.9

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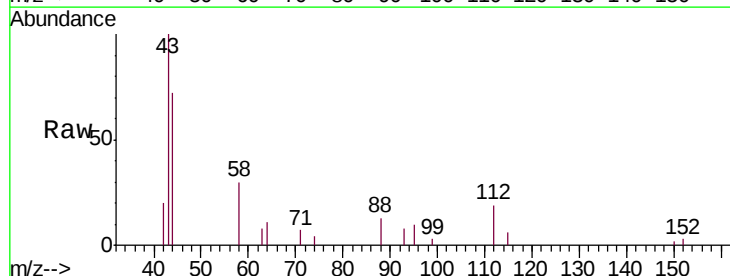
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



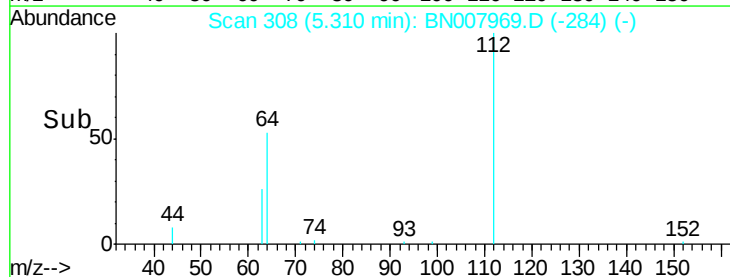
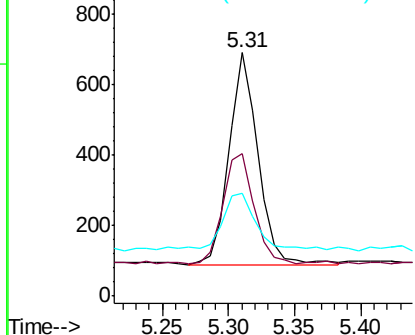
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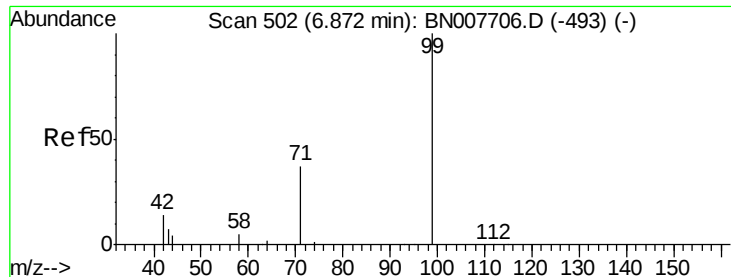
2-Fluorophenol
Concen: 0.045 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	46.6	70.0
63	29.8	23.1	34.7



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: 0.043 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Instrument :

BNA_N

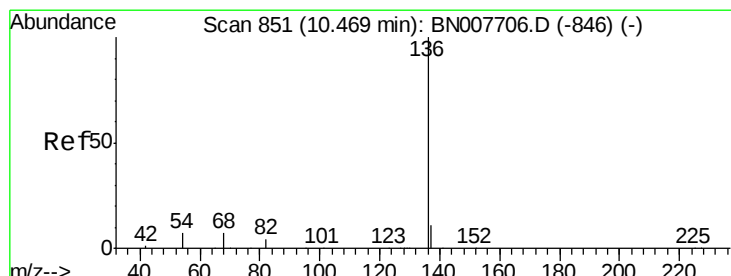
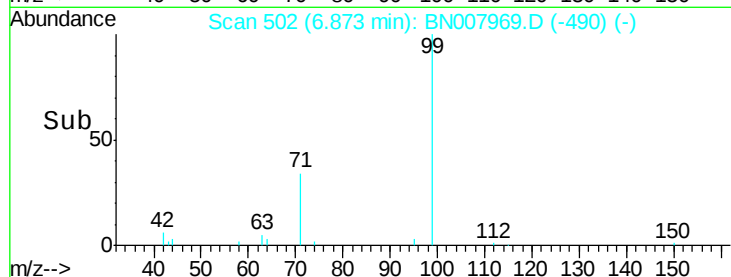
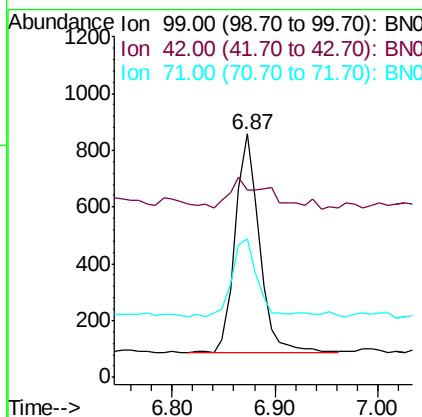
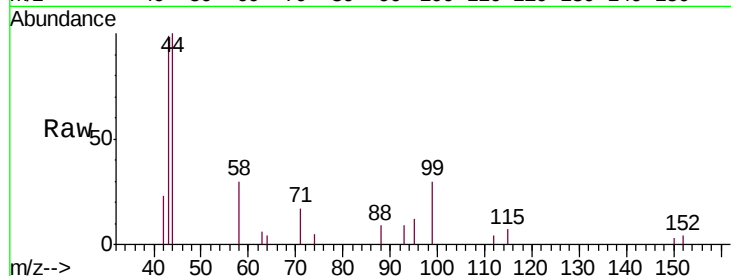
ClientSampleId :

PST-024-SW129-092519DL

Tgt Ion:	99	Resp:	1255
Ion Ratio	Lower	Upper	
99	100		
42	21.5	12.8	19.2#
71	36.6	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

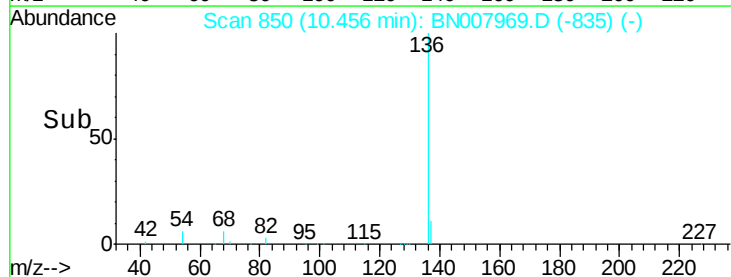
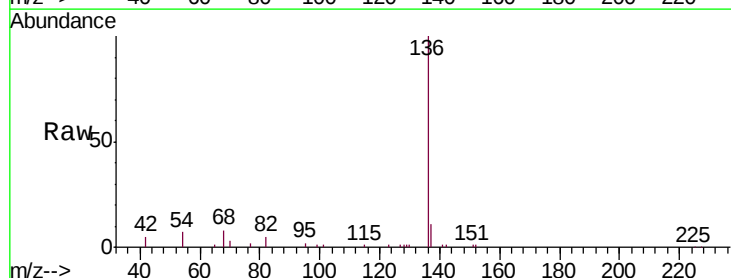
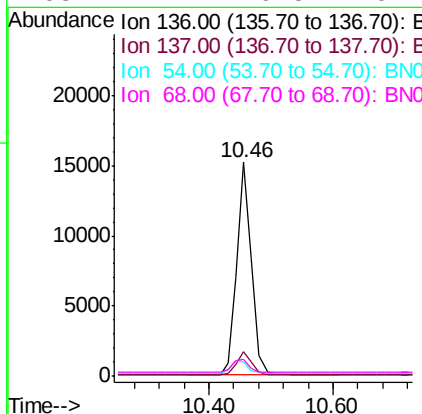
RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Tgt Ion:	136	Resp:	25390
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.2	13.8
54	6.9	5.8	8.8
68	7.7	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.045 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Instrument :

BNA_N

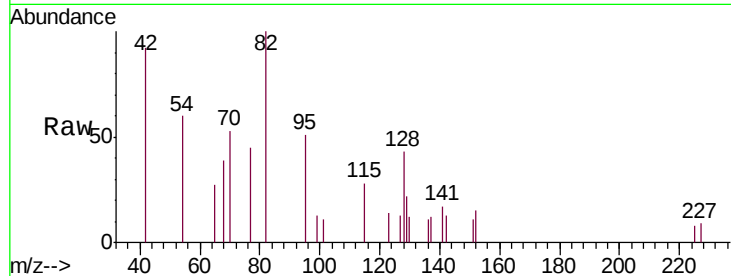
ClientSampleId :

PST-024-SW129-092519DL

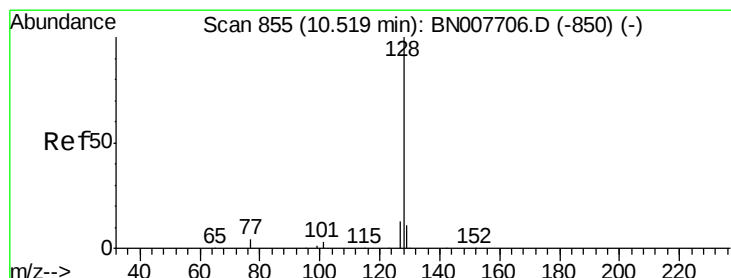
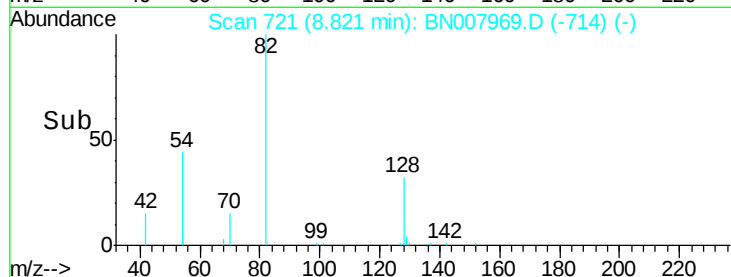
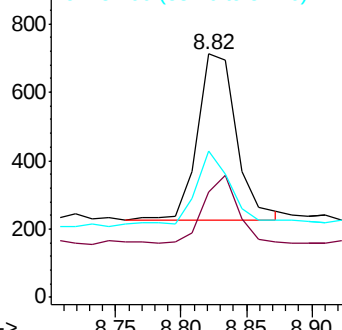
Tgt Ion:	82	Resp:	1004
Ion Ratio	Lower	Upper	
82	100		
128	43.4	24.5	36.7#
54	60.4	35.2	52.8#

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Abundance Ion 82.00 (81.70 to 82.70): BN007706.D (-719) (-)



#9

Naphthalene

Concen: 0.023 ng

RT: 10.51 min Scan# 854

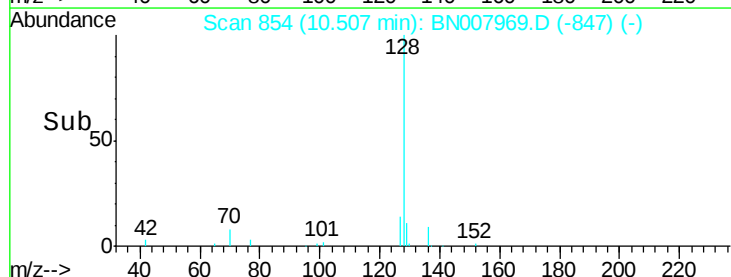
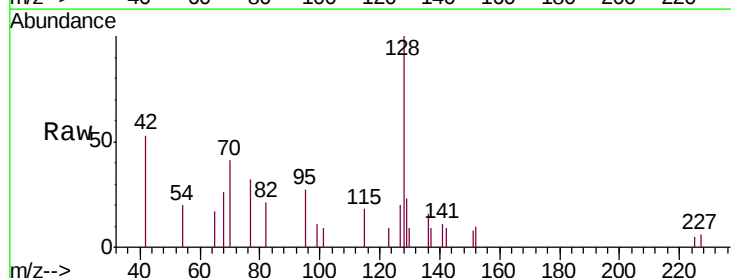
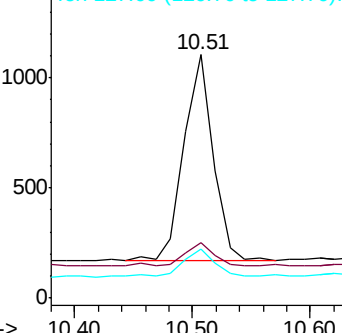
Delta R.T. -0.01 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Tgt Ion:	128	Resp:	1615
Ion Ratio	Lower	Upper	
128	100		
129	22.7	9.1	13.7#
127	20.2	10.6	15.8#

Abundance Ion 128.00 (127.70 to 128.70): BN007706.D (-850) (-)





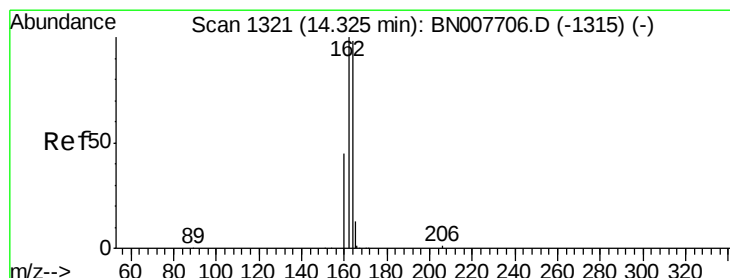
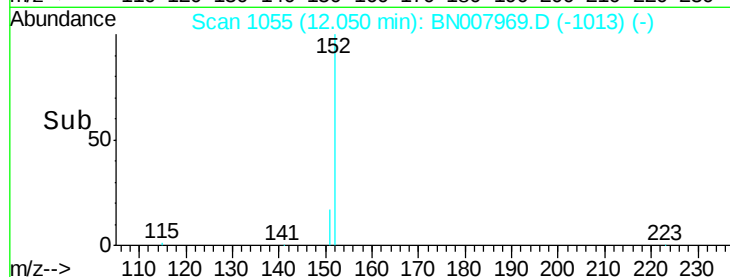
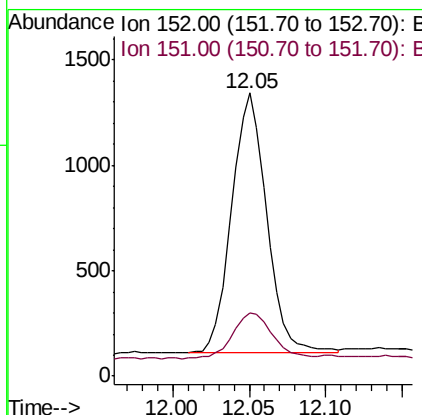
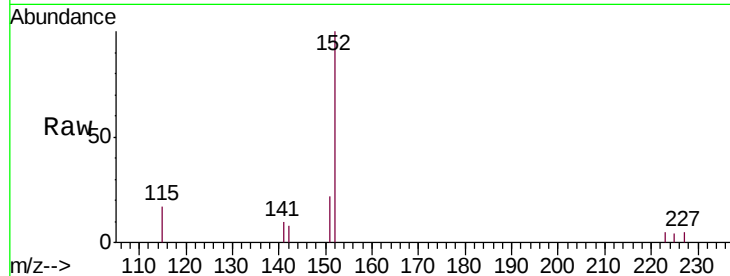
#11
2-Methylnaphthalene-d10
Concen: 0.046 ng
RT: 12.05 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

Instrument :
BNA_N
ClientSampleId :
PST-024-SW129-092519DL

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.4	23.2

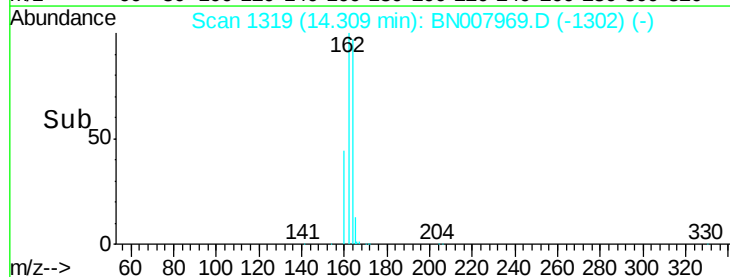
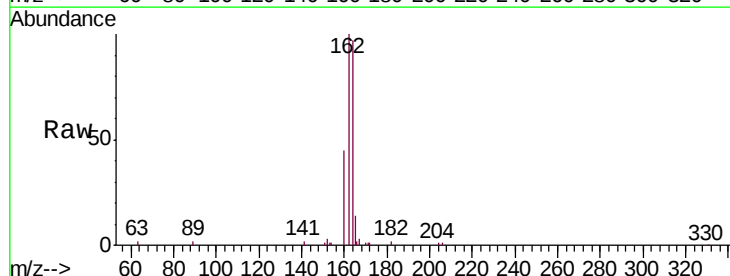
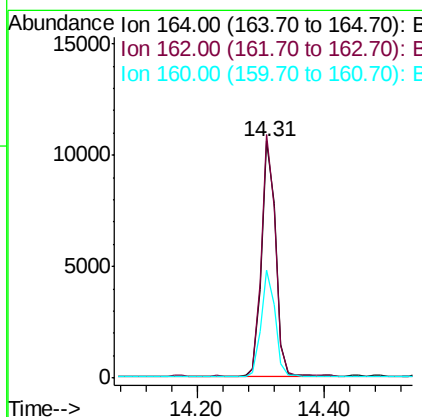
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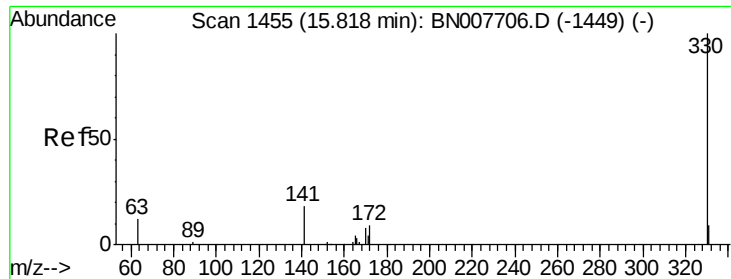
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.7	122.5
160	45.8	37.0	55.4





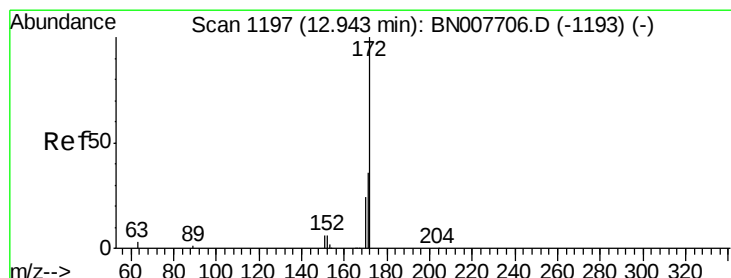
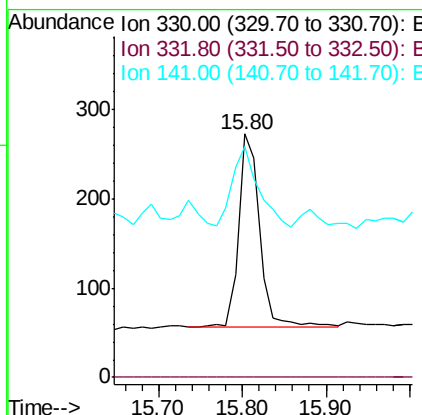
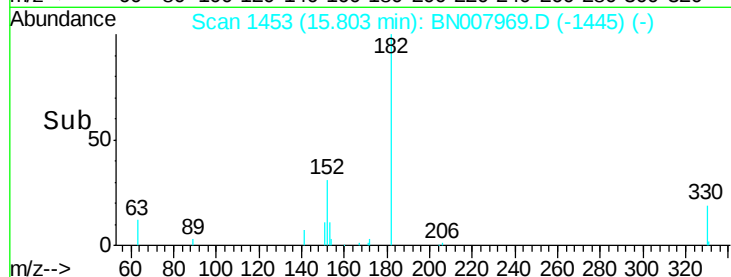
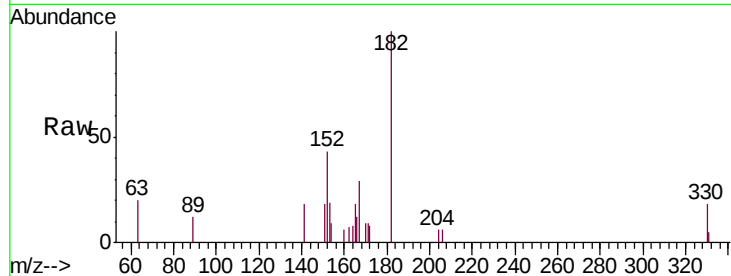
#14
 2,4,6-Tribromophenol
 Concen: 0.043 ng
 RT: 15.80 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: BN007969.D
 Acq: 02 Oct 2019 17:18

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW129-092519DL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	51.2	28.7	43.1

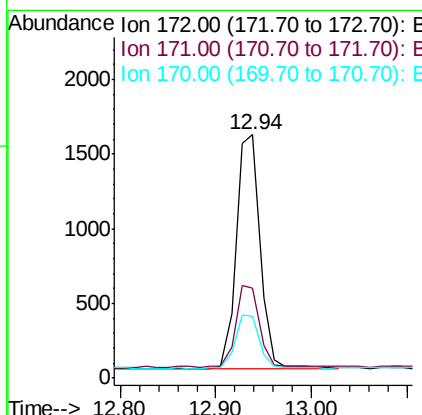
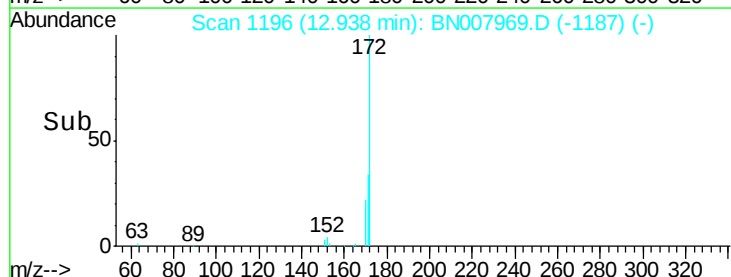
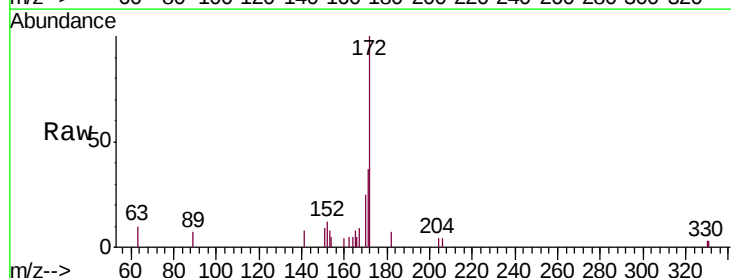
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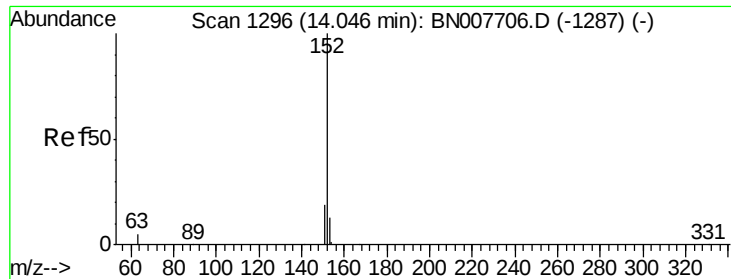
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#15
 2-Fluorobiphenyl
 Concen: 0.041 ng
 RT: 12.94 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: BN007969.D
 Acq: 02 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.8	43.2
170	25.2	19.5	29.3





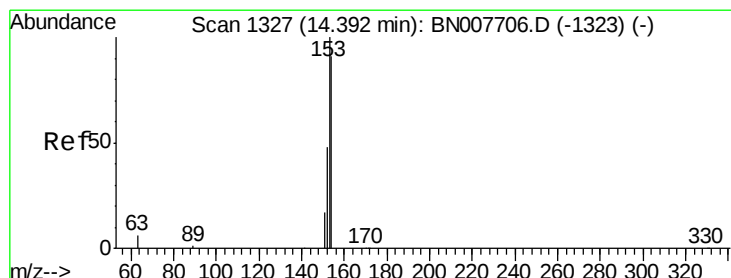
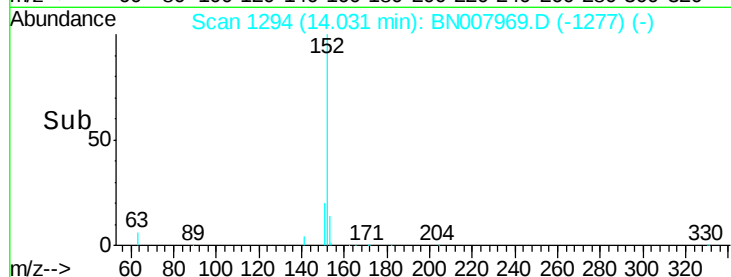
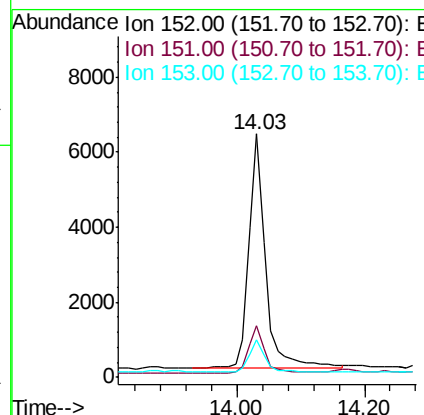
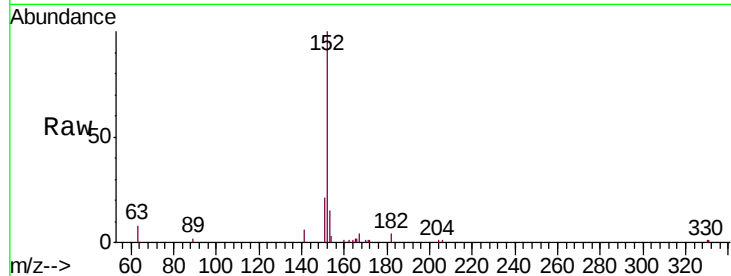
#16
Acenaphthylene
Concen: 0.134 ng
RT: 14.03 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

Instrument :
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ClientSampleId :
PST-024-SW129-092519DL

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3
153	13.1	10.4	15.6

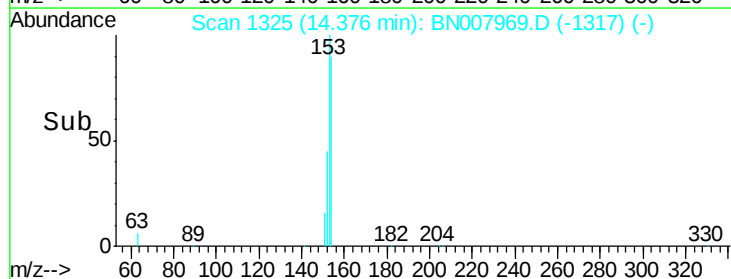
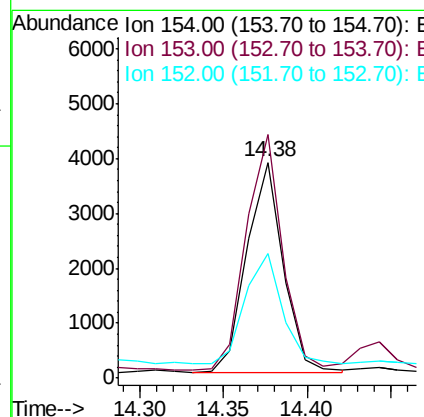
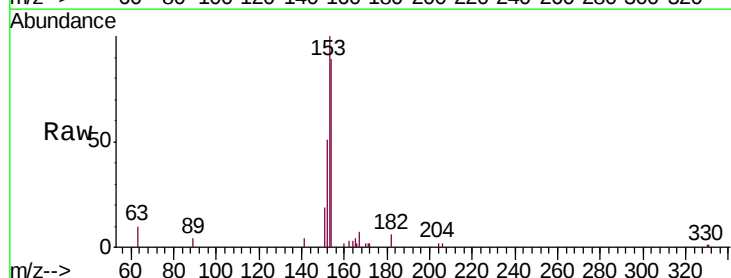
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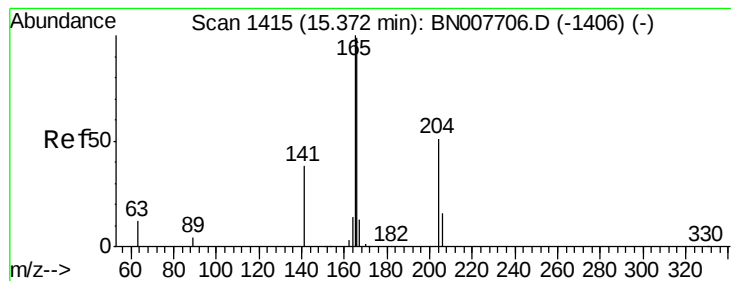
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#17
Acenaphthene
Concen: 0.104 ng
RT: 14.38 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.7	87.0	130.4
152	53.5	42.7	64.1





#18

Fluorene

Concen: 0.108 ng

RT: 15.37 min Scan# 1414

Delta R.T. -0.00 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Instrument :

BNA_N

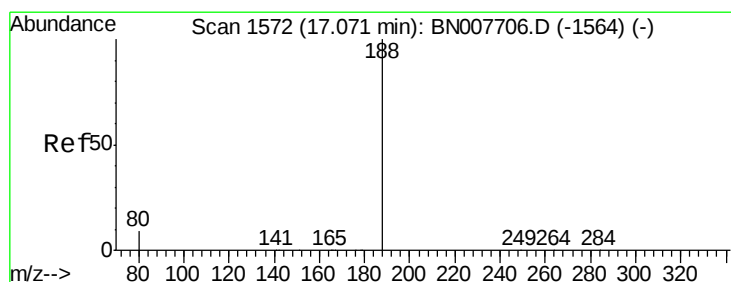
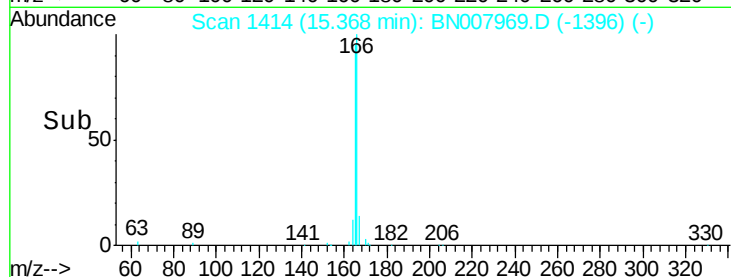
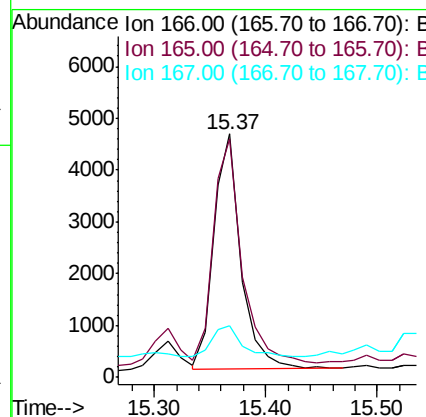
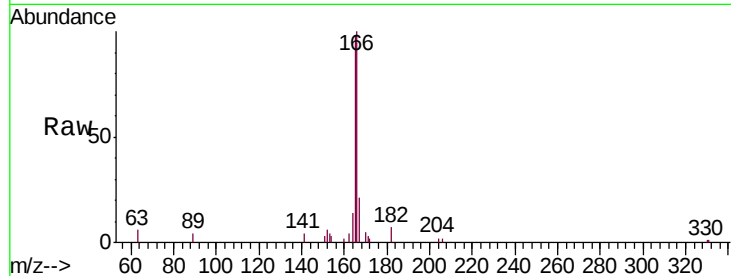
ClientSampleId :

PST-024-SW129-092519DL

Tgt Ion:	166	Resp:	7667
Ion Ratio	Lower	Upper	
166	100		
165	101.4	78.0	117.0
167	15.7	10.9	16.3

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#19

Phenanthrene-d10

Concen: 0.400 ng

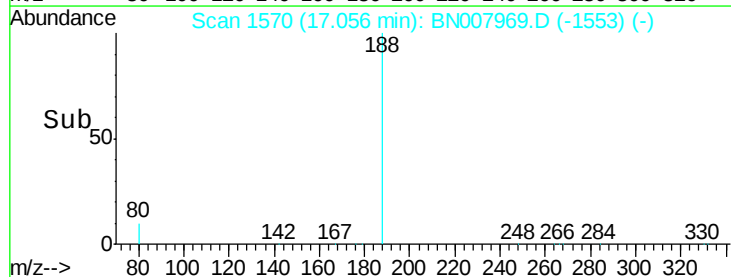
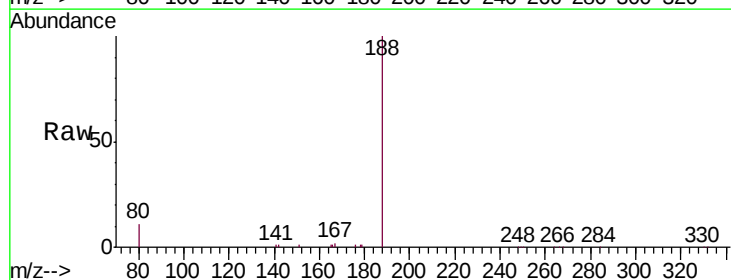
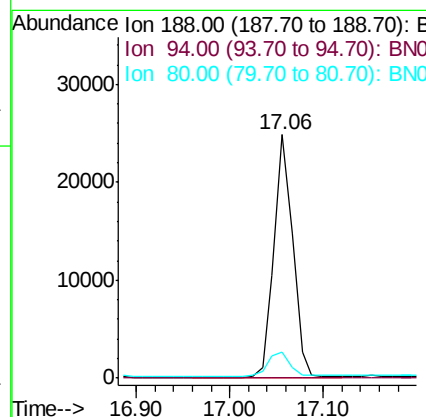
RT: 17.06 min Scan# 1570

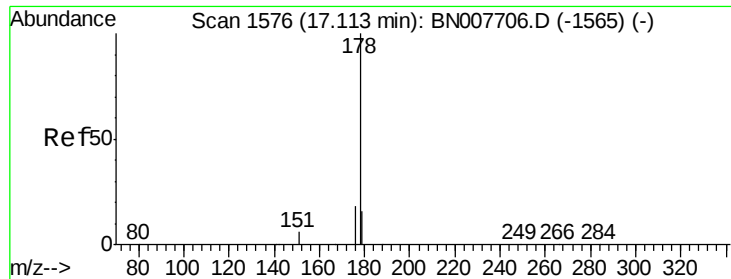
Delta R.T. -0.01 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Tgt Ion:	188	Resp:	34506
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.6	7.4	11.2





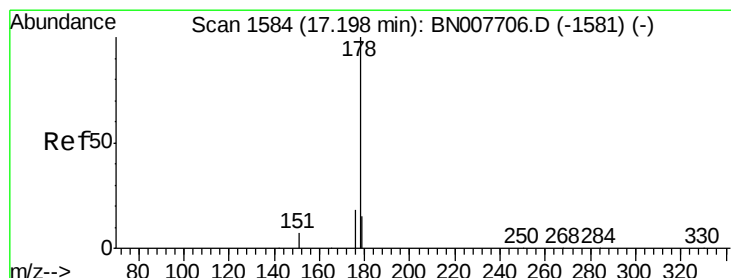
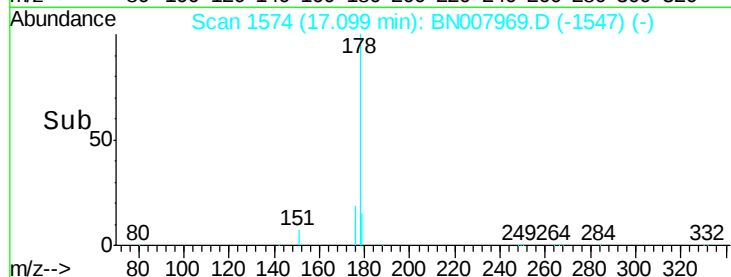
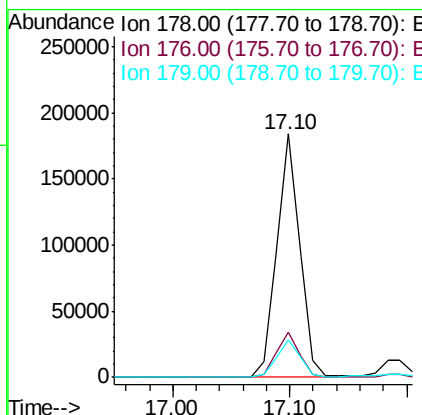
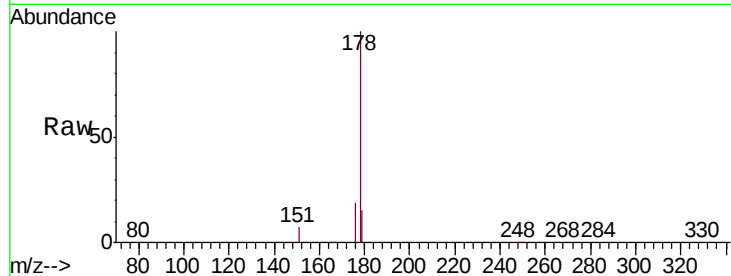
#23
Phenanthrene
Concen: 2.315 ng
RT: 17.10 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

Instrument :
BNA_N
ClientSampleId :
PST-024-SW129-092519DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.5	12.5	18.7

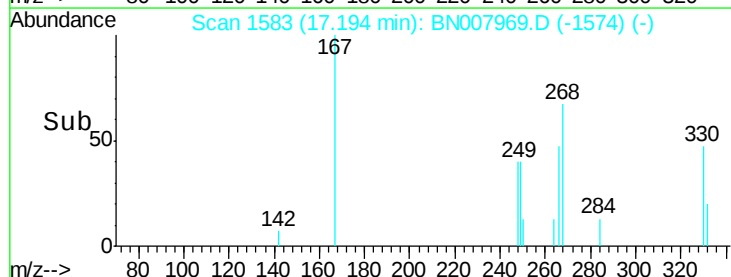
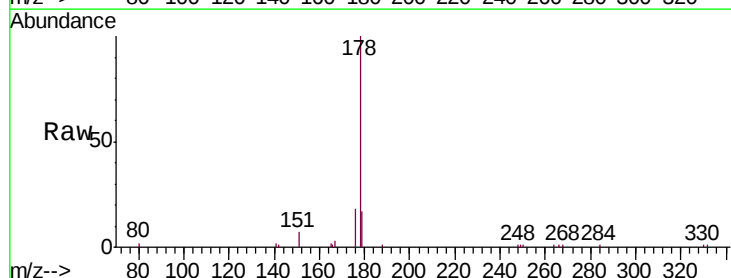
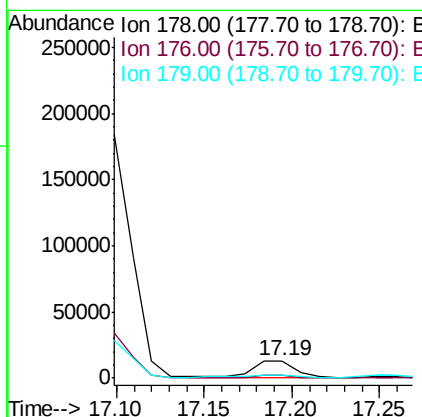
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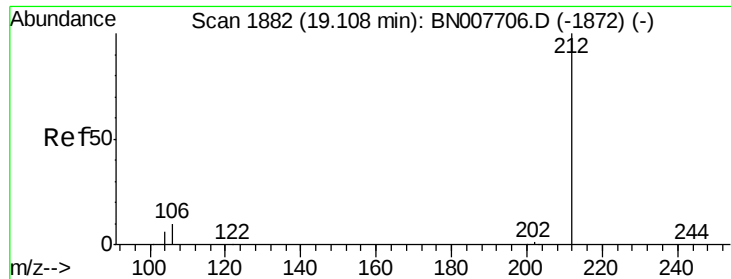
mohammad
10/4/2019 8:16:25 AM



#24
Anthracene
Concen: 0.213 ng
RT: 17.19 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	21.8
179	22.8	12.2	18.4





#25

Fluoranthene-d10

Concen: 0.042 ng

RT: 19.09 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Instrument :

BNA_N

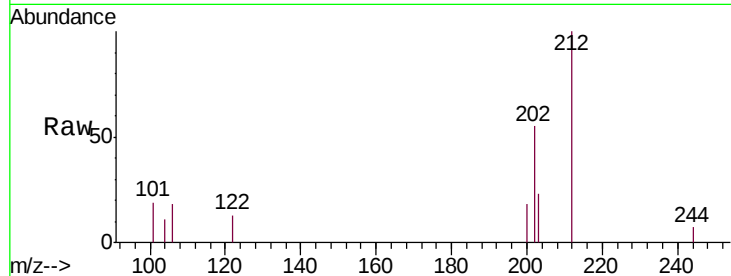
ClientSampleId :

PST-024-SW129-092519DL

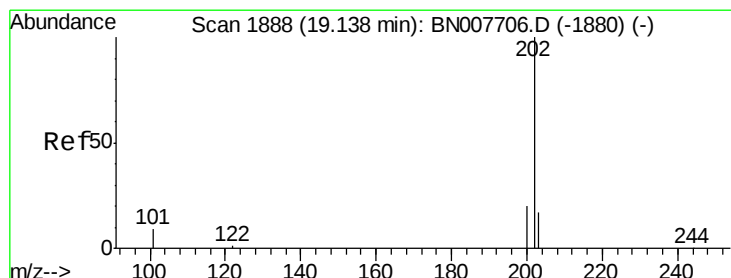
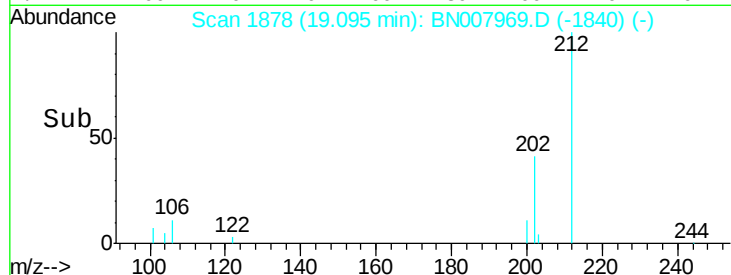
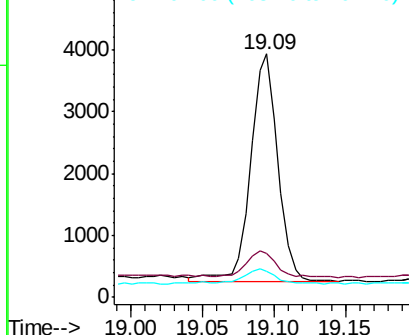
Tgt Ion:	212	Resp:	4865
Ion Ratio	Lower	Upper	
212	100		
106	13.5	9.4	14.0
104	7.6	5.3	7.9

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 3.890 ng

RT: 19.12 min Scan# 1884

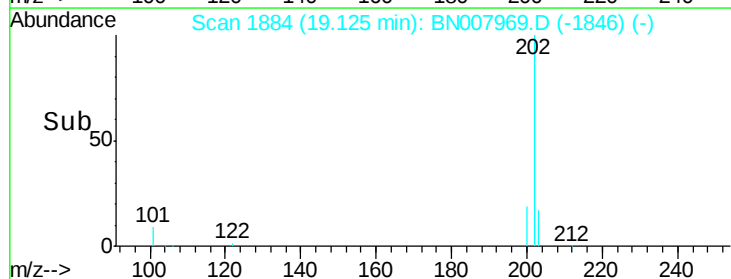
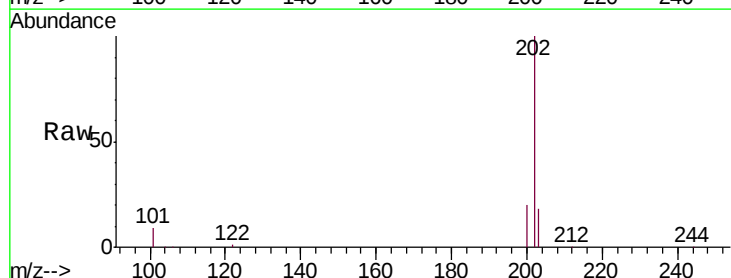
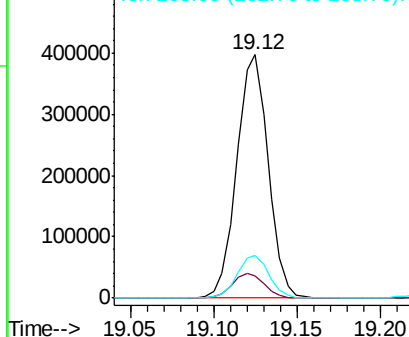
Delta R.T. -0.01 min

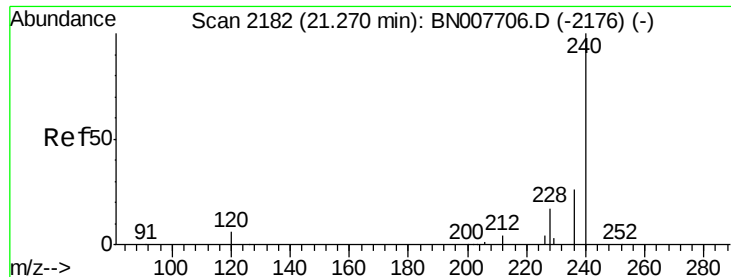
Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Tgt Ion:	202	Resp:	519906
Ion Ratio	Lower	Upper	
202	100		
101	10.1	8.4	12.6
203	17.5	13.8	20.8

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





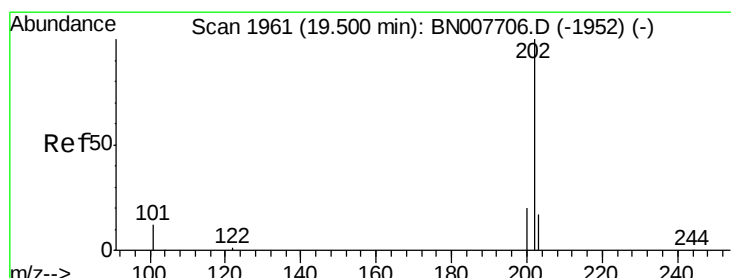
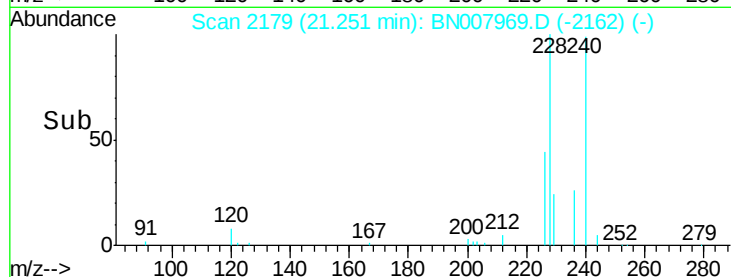
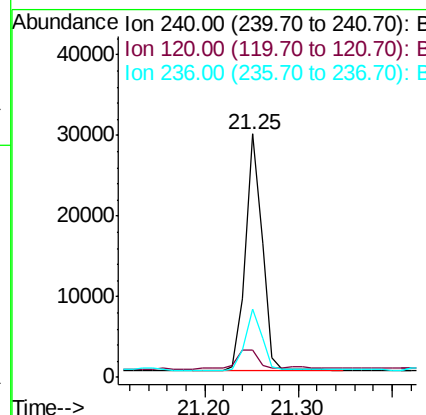
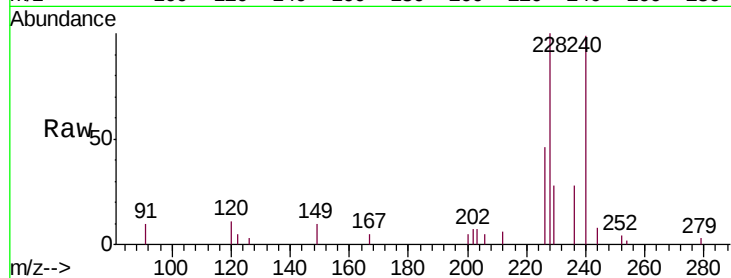
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

Instrument :
BNA_N
ClientSampleId :
PST-024-SW129-092519DL

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.4	5.4	8.2#
236	28.2	21.0	31.4

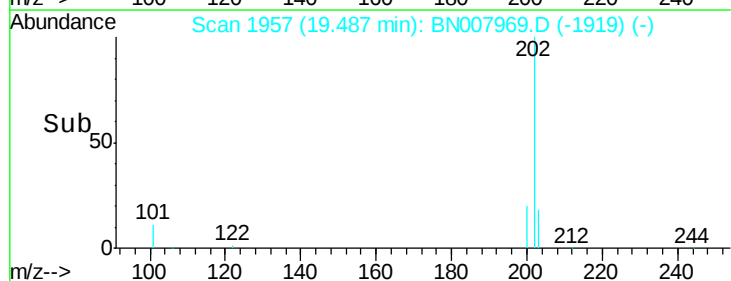
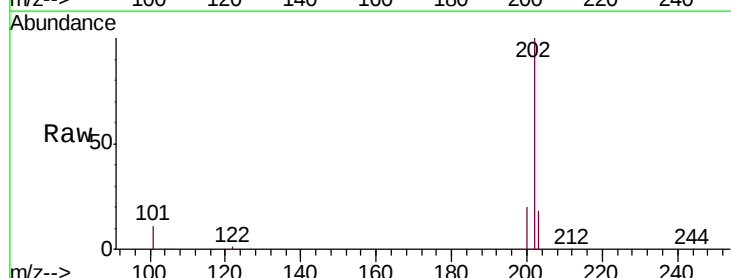
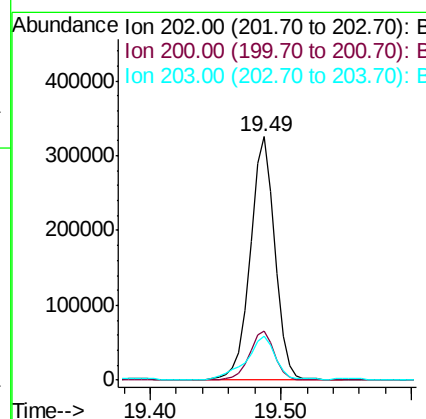
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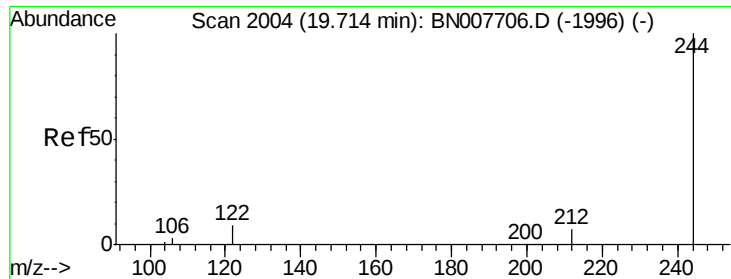
mohammad
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#28
Pyrene
Concen: 3.410 ng
RT: 19.49 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BN007969.D
Acq: 02 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.4	24.6
203	21.1	14.1	21.1#





#29

Terphenyl-d14

Concen: 0.045 ng

RT: 19.70 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BN007969.D

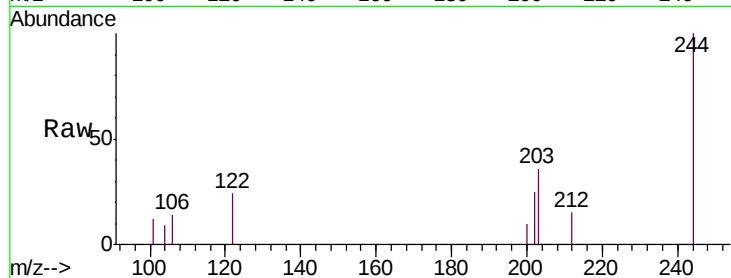
Acq: 02 Oct 2019 17:18

Instrument :

BNA_N

ClientSampleId :

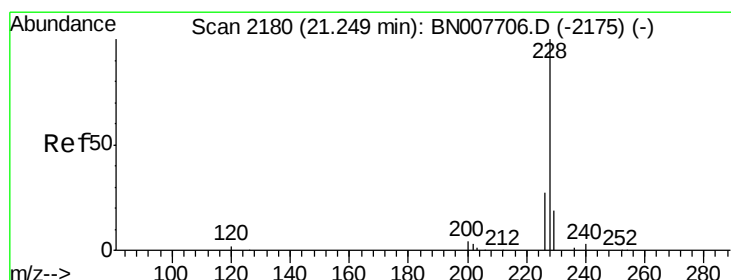
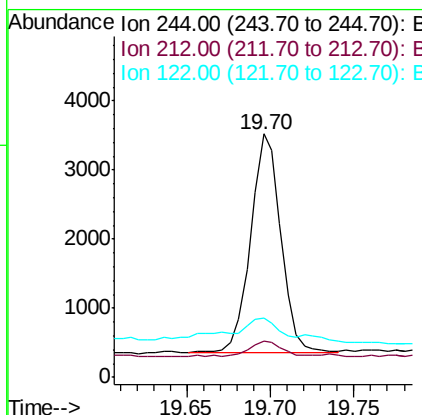
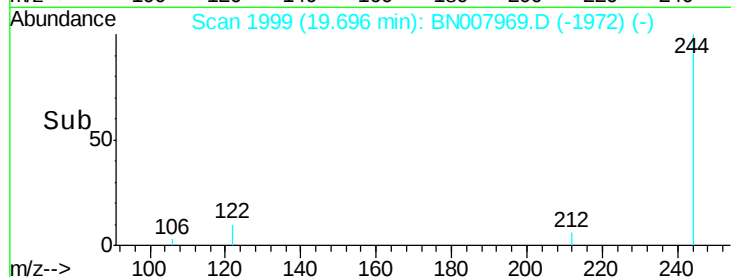
PST-024-SW129-092519DL



Tgt Ion:	244	Resp:	4031
Ion Ratio	Lower	Upper	
244	100		
212	14.9	5.9	8.9#
122	24.3	7.4	11.2#

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#30

Benzo(a)anthracene

Concen: 1.381 ng

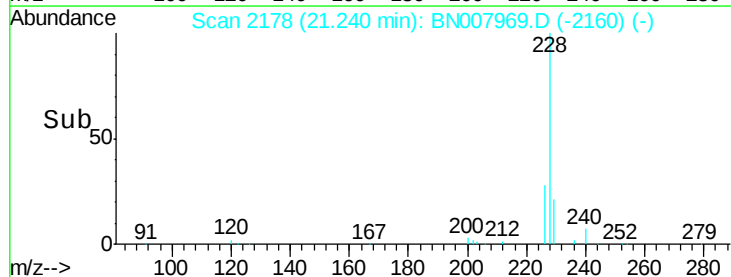
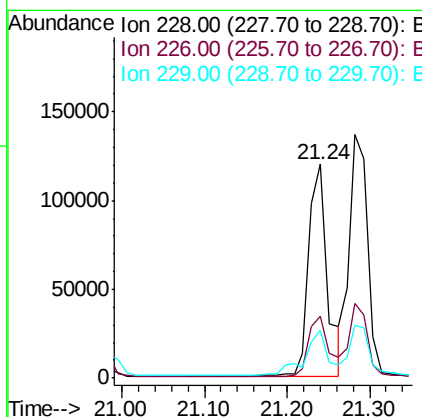
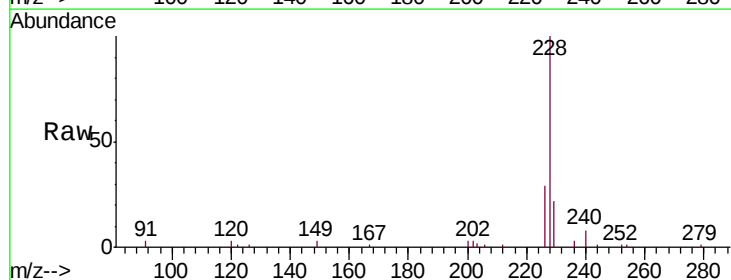
RT: 21.24 min Scan# 2178

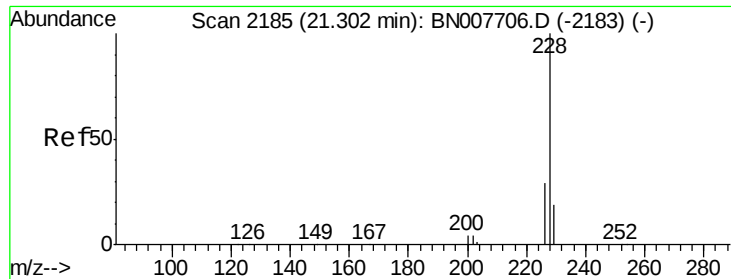
Delta R.T. -0.01 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Tgt Ion:	228	Resp:	186591
Ion Ratio	Lower	Upper	
228	100		
226	29.1	22.1	33.1
229	22.1	15.8	23.6





#31

Chrysene

Concen: 1.607 ng

RT: 21.28 min Scan# 2182

Delta R.T. -0.02 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Instrument :

BNA_N

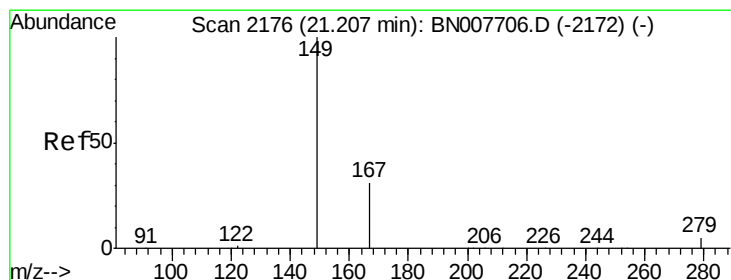
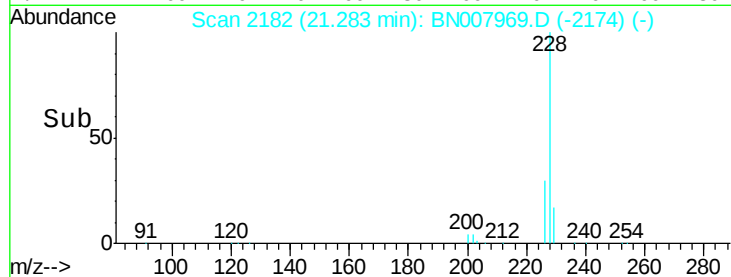
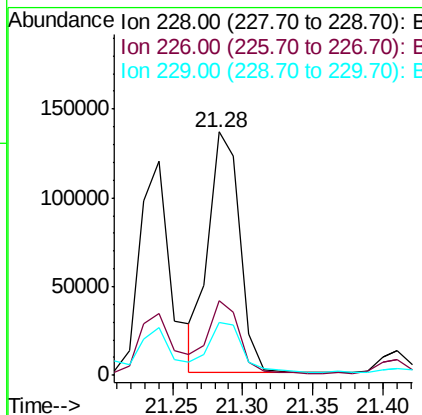
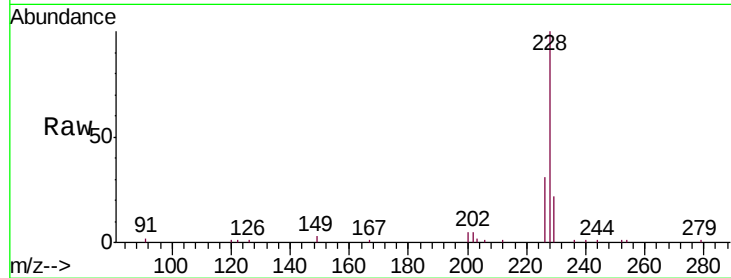
ClientSampleId :

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Tgt Ion:	228	Resp:	211596
Ion Ratio	Lower	Upper	
228	100		
226	30.9	23.9	35.9
229	22.0	15.8	23.6

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.099 ng

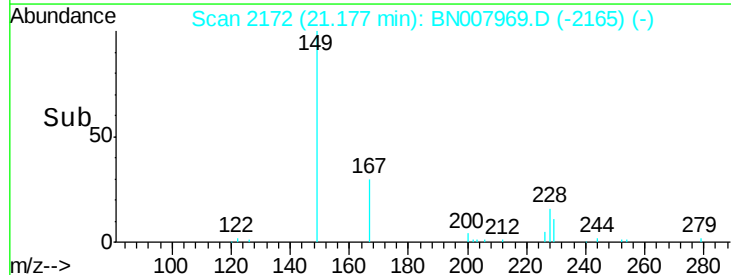
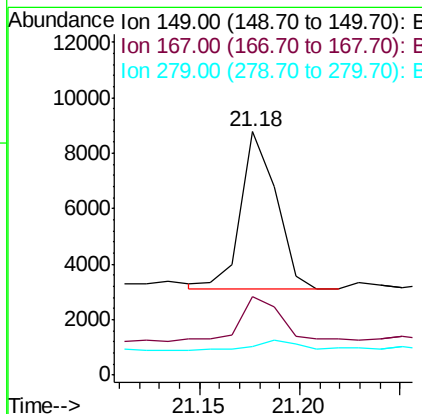
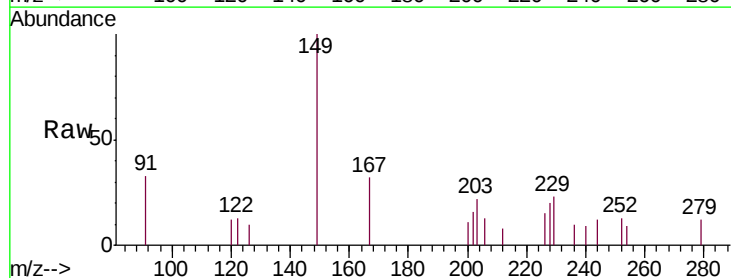
RT: 21.18 min Scan# 2172

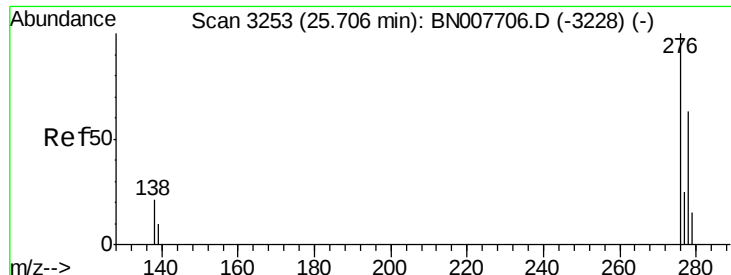
Delta R.T. -0.03 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Tgt Ion:	149	Resp:	6914
Ion Ratio	Lower	Upper	
149	100		
167	32.5	23.7	35.5
279	9.5	4.2	6.2#





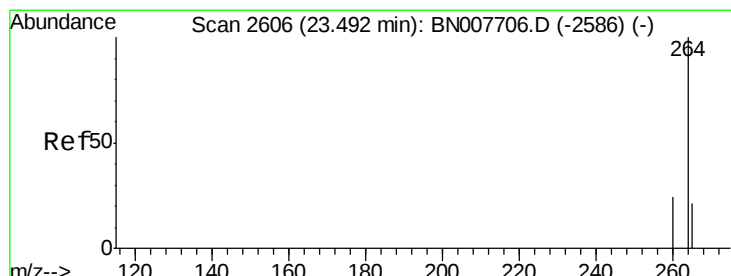
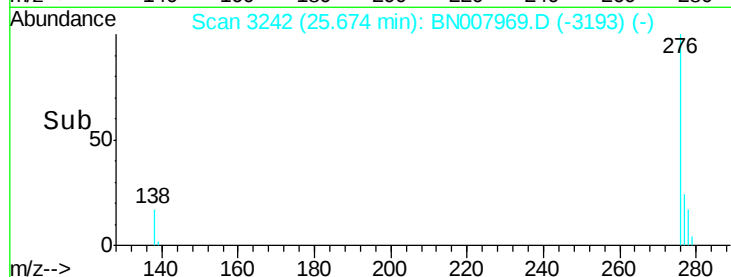
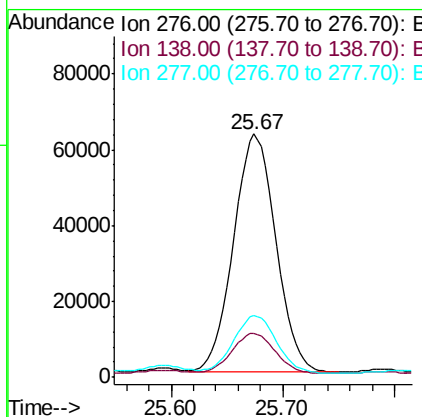
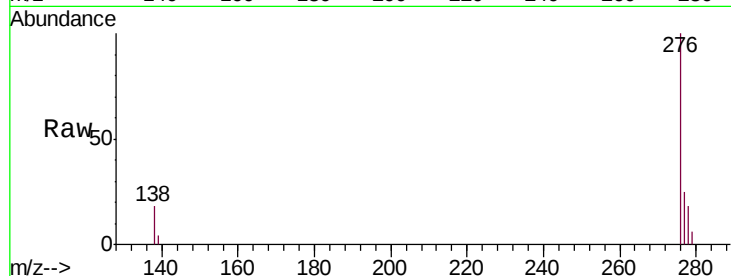
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.001 ng
 RT: 25.67 min Scan# 3242
 Delta R.T. -0.03 min
 Lab File: BN007969.D
 Acq: 02 Oct 2019 17:18

Instrument :
 BNA_N
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
276	100	165003		
138	17.3		17.1	25.7
277	24.6		20.0	30.0

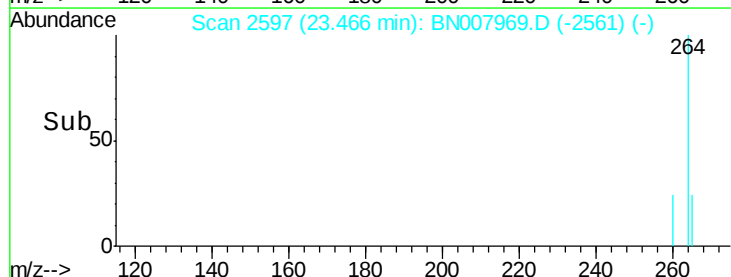
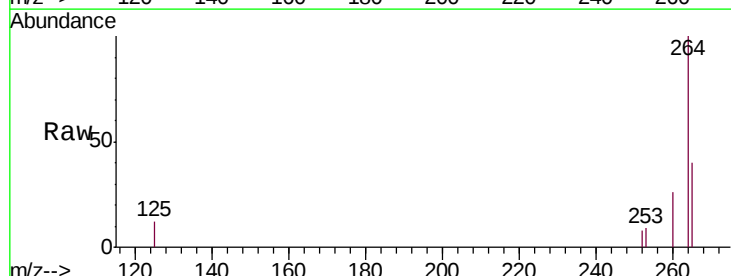
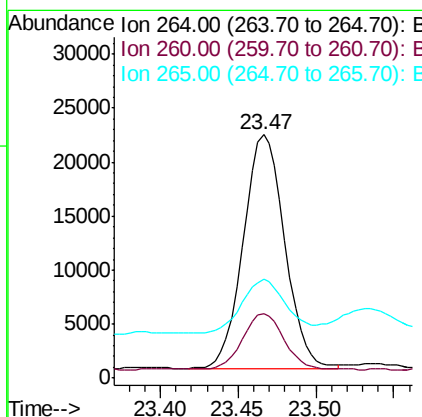
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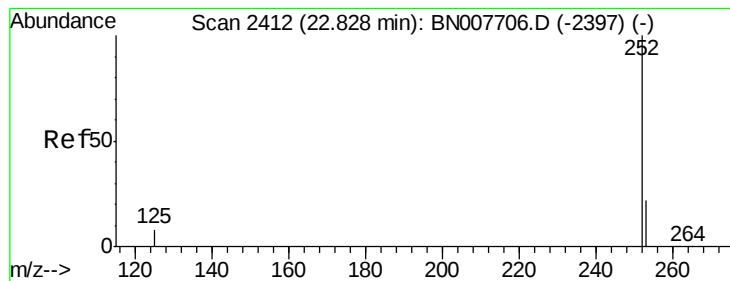
mohammad
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.47 min Scan# 2597
 Delta R.T. -0.03 min
 Lab File: BN007969.D
 Acq: 02 Oct 2019 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	39922		
260	26.5		19.3	28.9
265	40.4		26.9	40.3#





#35

Benzo(b)fluoranthene

Concen: 2.206 ng

RT: 22.81 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Instrument :

BNA_N

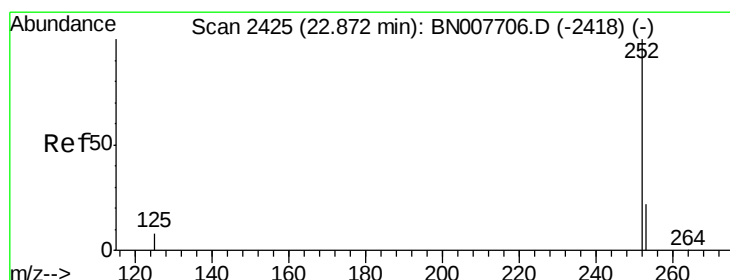
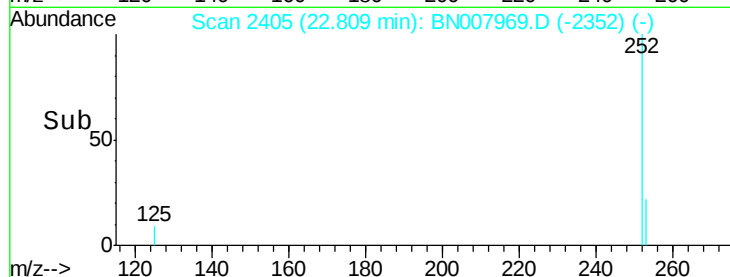
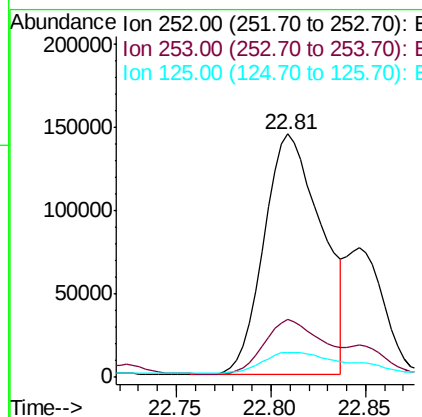
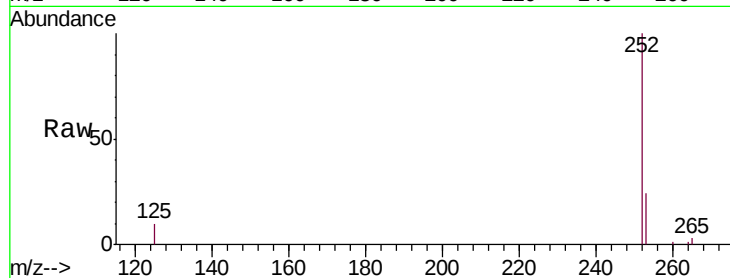
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.3	27.5
125	10.4	8.2	12.4

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#36

Benzo(k)fluoranthene

Concen: 0.775 ng m

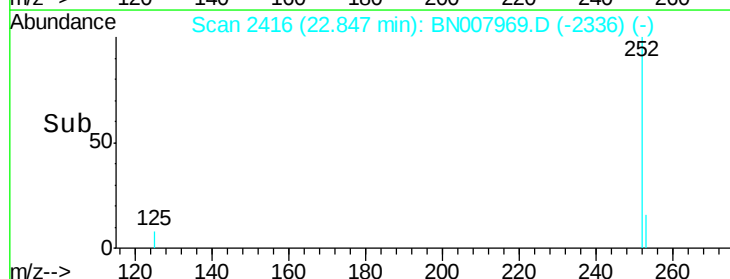
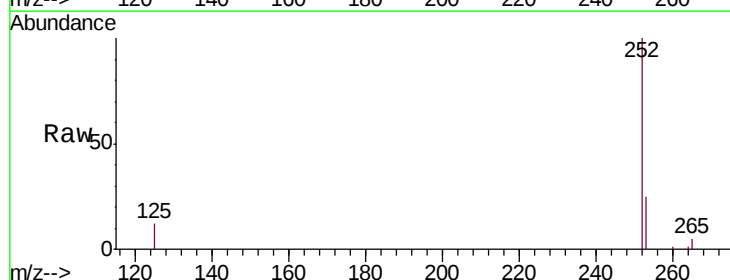
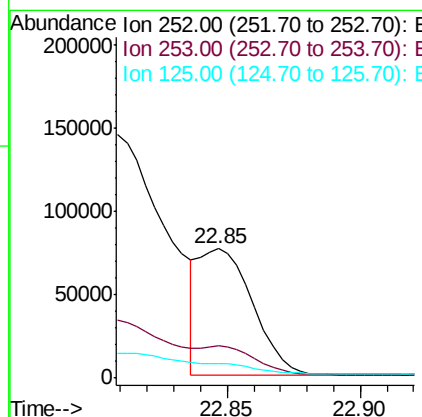
RT: 22.85 min Scan# 2416

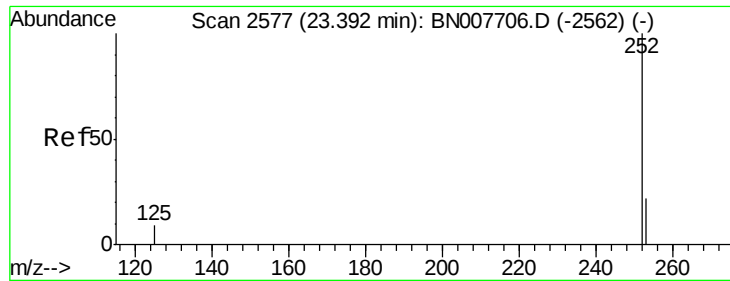
Delta R.T. -0.03 min

Lab File: BN007969.D

Acq: 02 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.5	27.7
125	11.5	8.4	12.6





#37

Benzo(a)pyrene

Concen: 1.544 ng

RT: 23.37 min Scan# 2569

Delta R.T. -0.02 min

Lab File: BN007969.D

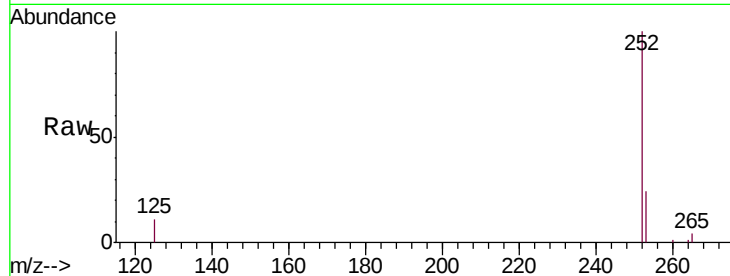
Acq: 02 Oct 2019 17:18

Instrument :

BNA_N

ClientSampleId :

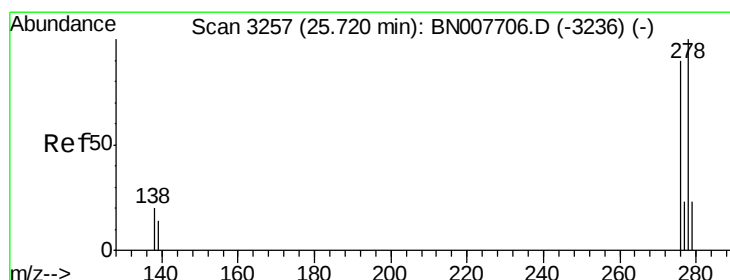
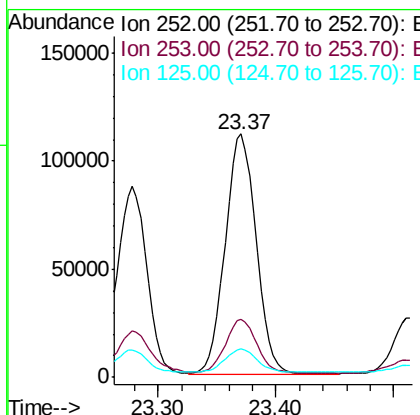
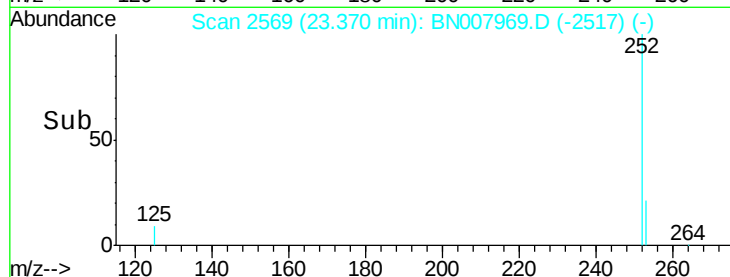
PST-024-SW129-092519DL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.6	27.8
125	11.5	9.4	14.0

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#38

Dibenzo(a,h)anthracene

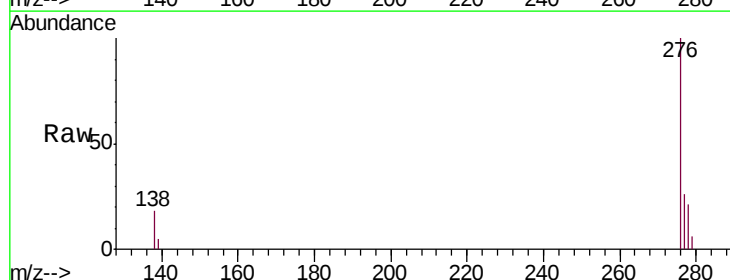
Concen: 0.273 ng

RT: 25.68 min Scan# 3244

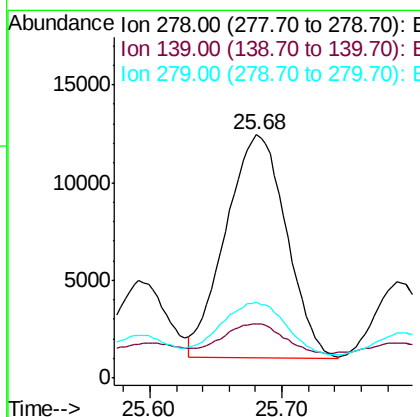
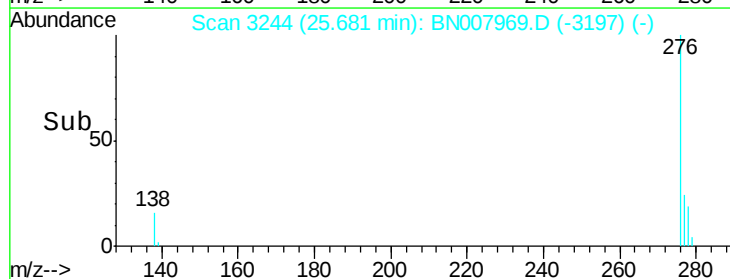
Delta R.T. -0.04 min

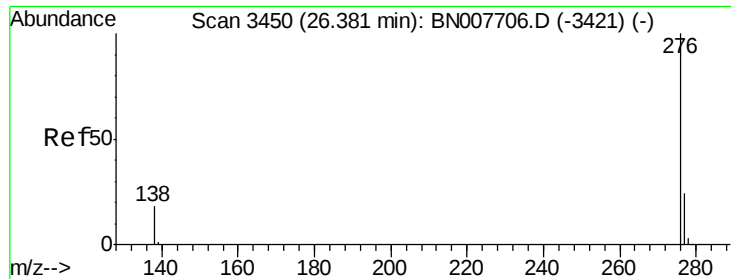
Lab File: BN007969.D

Acq: 02 Oct 2019 17:18



Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.5	11.8	17.6#
279	31.0	19.4	29.2#





#39

Benzo(g,h,i)perylene

Concen: 1.266 ng

RT: 26.35 min Scan# 3440

Delta R.T. -0.03 min

Lab File: BN007969.D

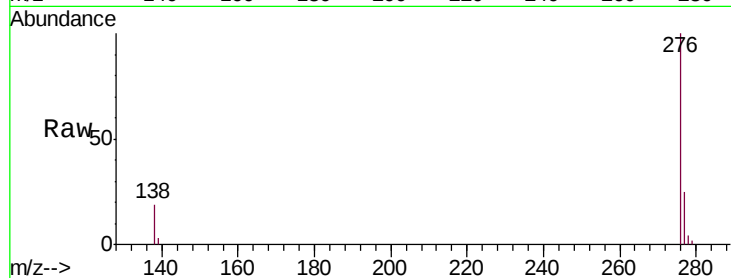
Acq: 02 Oct 2019 17:18

Instrument :

BNA_N

ClientSampleId :

PST-024-SW129-092519DL



Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	25.2	19.8	29.8
138	18.9	15.1	22.7

Manual Integrations
APPROVED

mohammad
10/4/2019 8:16:25 AM

