

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100319\
 Data File : BN007995.D
 Acq On : 03 Oct 2019 23:59
 Operator : JU
 Sample : K5077-19
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B269-092519

Manual Integrations
 APPROVED

mohammad
 10/7/2019 8:27:48 AM

Quant Time: Oct 04 08:48:01 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 03 18:39:49 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	4877	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	20135	0.40	ng	-0.01
13) Acenaphthene-d10	14.30	164	13126	0.40	ng	-0.02
19) Phenanthrene-d10	17.06	188	28189	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	33933	0.40	ng	-0.02
34) Perylene-d12	23.47	264	38878	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.30	112	5070	0.30	ng	-0.02
5) Phenol-d6	6.86	99	7043	0.34	ng	0.00
8) Nitrobenzene-d5	8.82	82	5388	0.31	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	11133	0.33	ng	-0.02
14) 2,4,6-Tribromophenol	15.81	330	2674	0.37	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	15375	0.28	ng	-0.01
25) Fluoranthene-d10	19.09	212	30121	0.32	ng	-0.01
29) Terphenyl-d14	19.69	244	28799	0.35	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	11884	0.210	ng	# 95
12) 2-Methylnaphthalene	12.12	142	7165	0.188	ng	# 95
16) Acenaphthylene	14.02	152	141852	2.038	ng	99
17) Acenaphthene	14.37	154	60666	1.352	ng	97
18) Fluorene	15.36	166	83044	1.444	ng	97
22) Pentachlorophenol	16.72	266	466	0.068	ng	90
23) Phenanthrene	17.10	178	2775164	31.603	ng	100
24) Anthracene	17.19	178	265525	3.348	ng	# 94
26) Fluoranthene	19.13	202	5551353	50.841	ng	98
28) Pvrene	19.49	202	4682869	40.463	ng	# 95
30) Benzo(a)anthracene	21.24	228	1994738	15.963	ng	98
31) Chrysene	21.29	228	2531314	20.785	ng	97
32) Bis(2-ethylhexyl)phthalate	21.17	149	27352	0.426	ng	98
33) Indeno(1,2,3-cd)pyrene	25.69	276	2027394	13.296	ng	# 95
35) Benzo(b)fluoranthene	22.81	252	3589539	26.595	ng	99
36) Benzo(k)fluoranthene	22.85	252	1398824m	10.481	ng	
37) Benzo(a)pvrene	23.38	252	2266773	17.871	ng	97
38) Dibenzo(a,h)anthracene	25.69	278	443507	3.417	ng	99
39) Benzo(g,h,i)perylene	26.37	276	2123530	16.536	ng	98

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

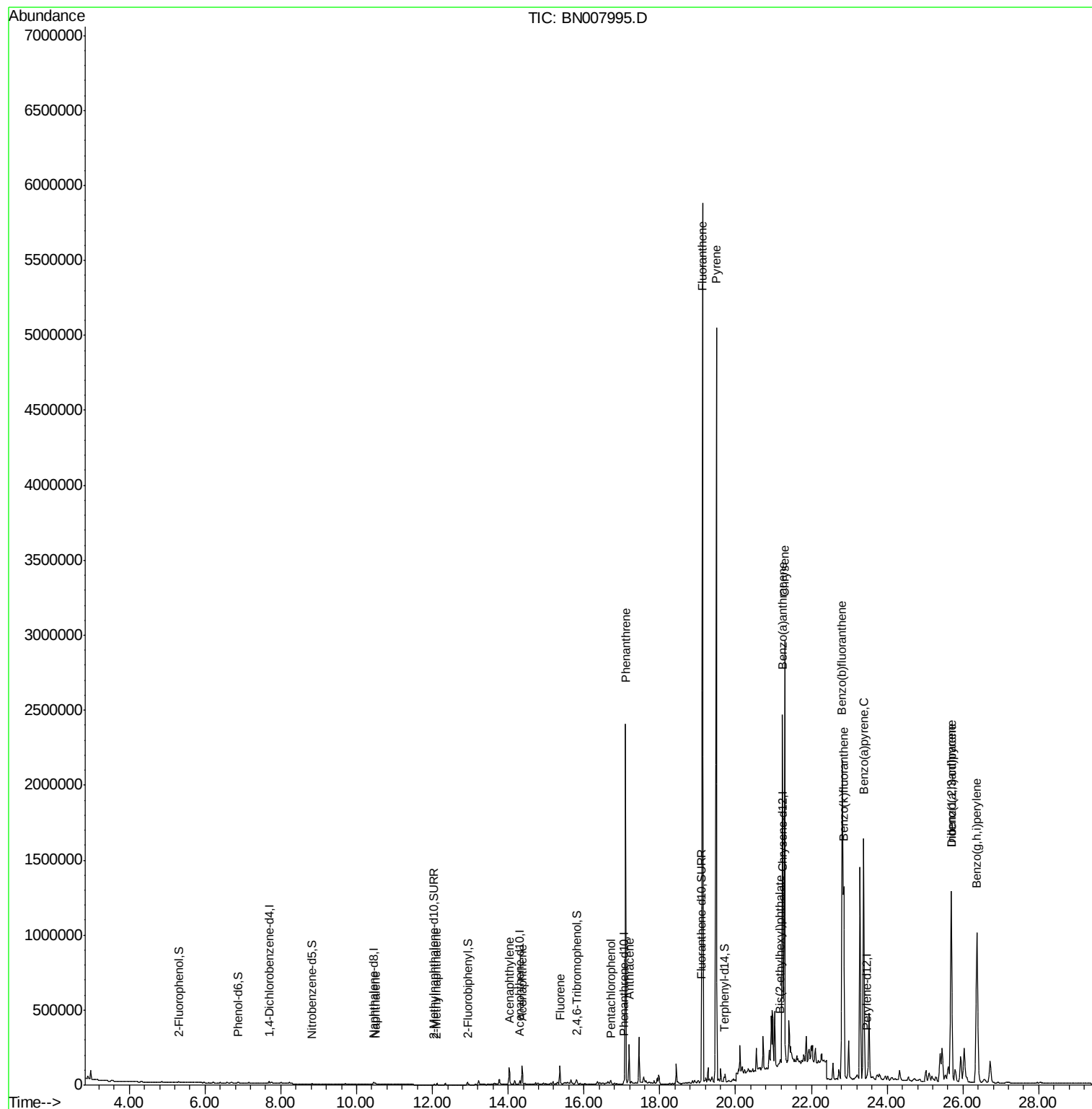
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100319\
Data File : BN007995.D
Acq On : 03 Oct 2019 23:59
Operator : JU
Sample : K5077-19
Misc :
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BNA_N
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PST-024-B269-092519

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 03 18:39:49 2019
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#1

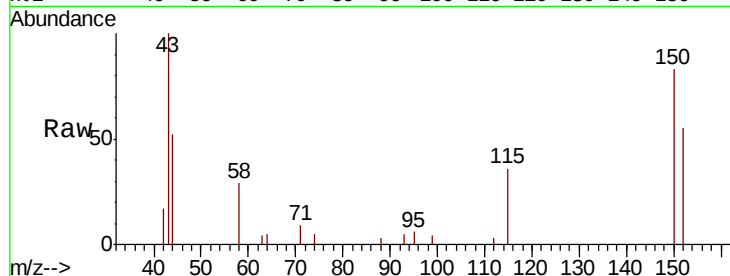
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Instrument :
BNA_N
ClientSampleId :
PST-024-B269-092519

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.8	125.6	188.4
115	65.5	53.3	79.9

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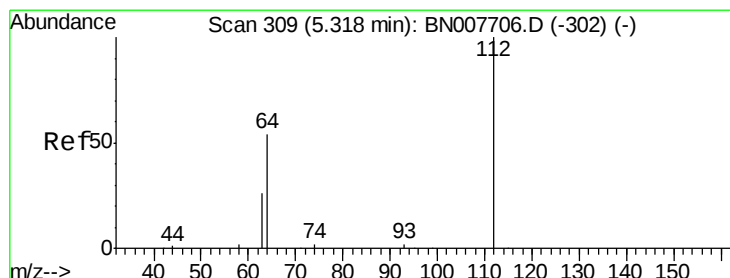
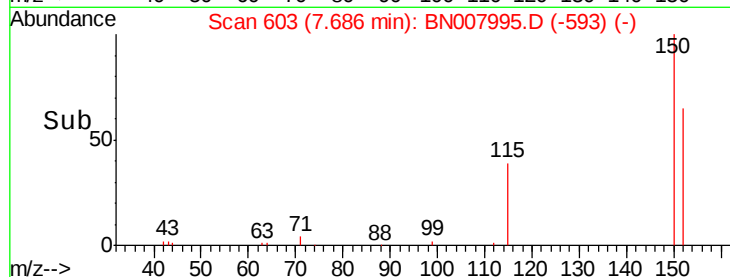
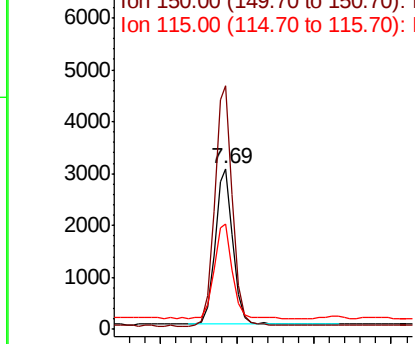


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

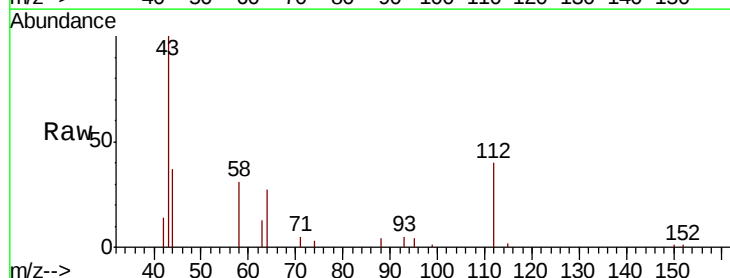
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.302 ng
RT: 5.30 min Scan# 307
Delta R.T. -0.02 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	46.6	70.0
63	26.8	23.1	34.7

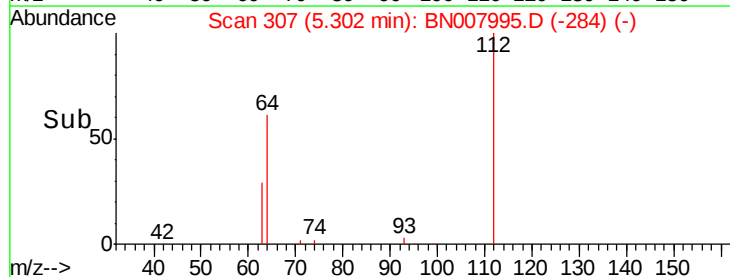
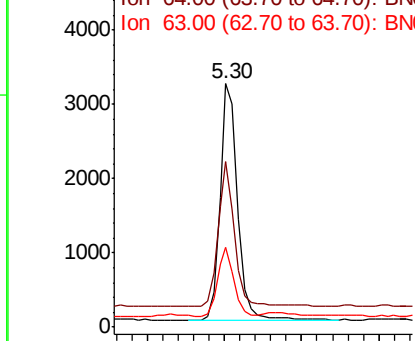


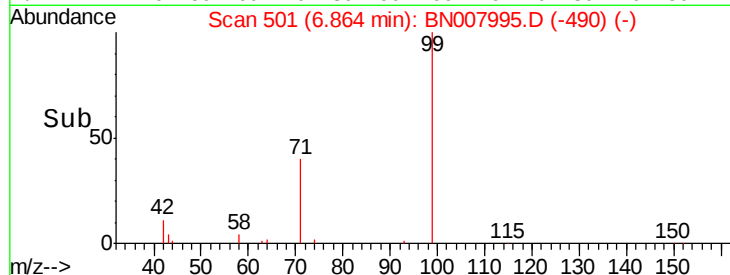
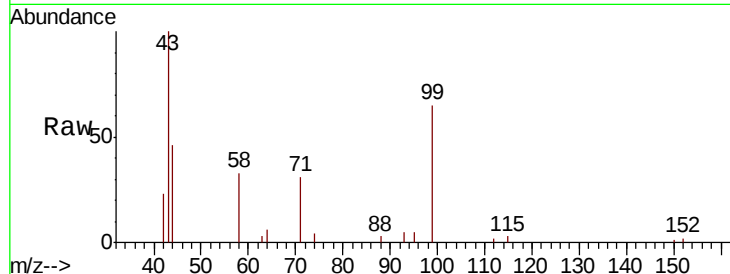
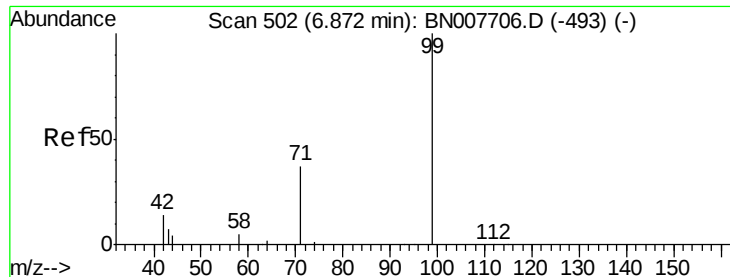
Abundance

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





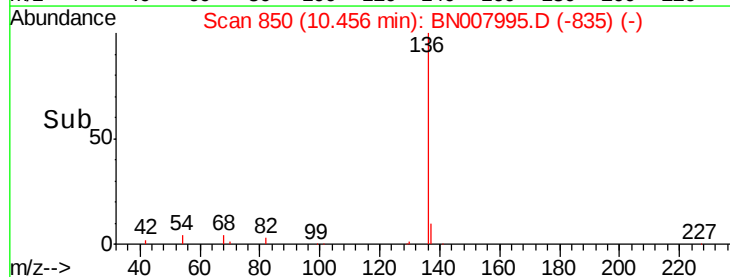
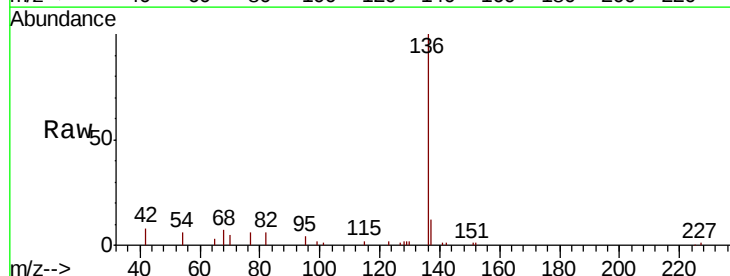
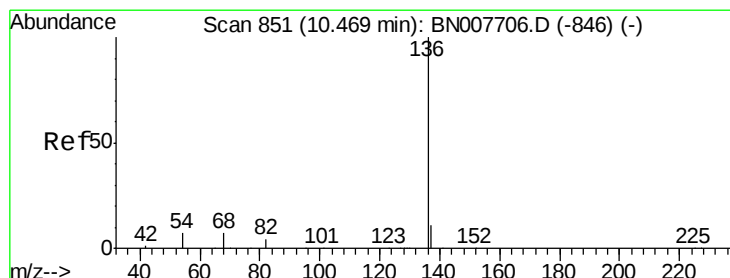
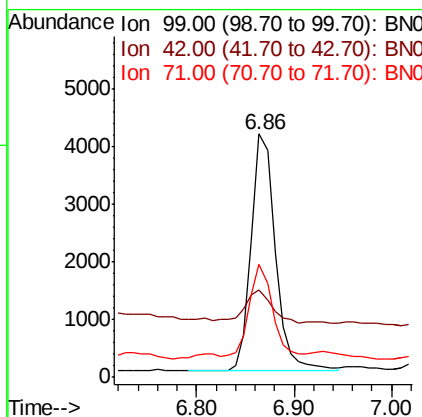
#5
Phenol-d6
Concen: 0.336 ng
RT: 6.86 min Scan# 501
Delta R.T. -0.01 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Tot Ion	Ratio	Lower	Upper
99	100		
42	15.9	12.8	19.2
71	39.5	27.6	41.4

Instrument :
BNA_N
ClientSampleId :
PST-024-B269-092519

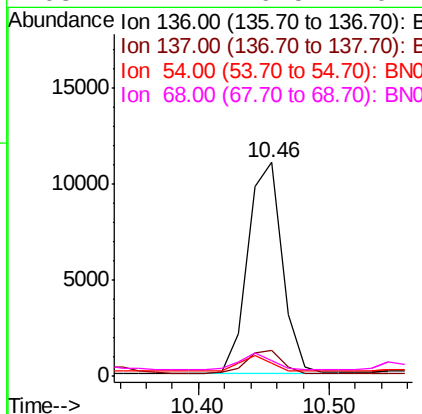
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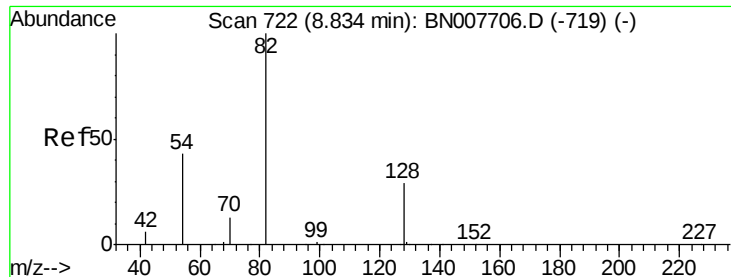
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.46 min Scan# 850
Delta R.T. -0.01 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.2	13.8
54	5.9	5.8	8.8
68	7.1	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.306 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN007995.D

Acq: 03 Oct 2019 23:59

Instrument :

BNA_N

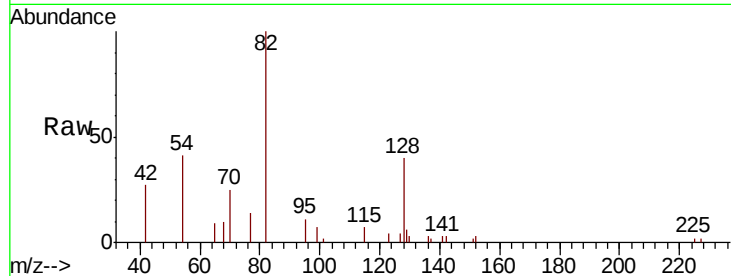
ClientSampleId :

PST-024-B269-092519

Tot Ion:	82	Resp:	5388
Ion Ratio	Lower	Upper	
82	100		
128	40.1	24.5	36.7#
54	41.1	35.2	52.8

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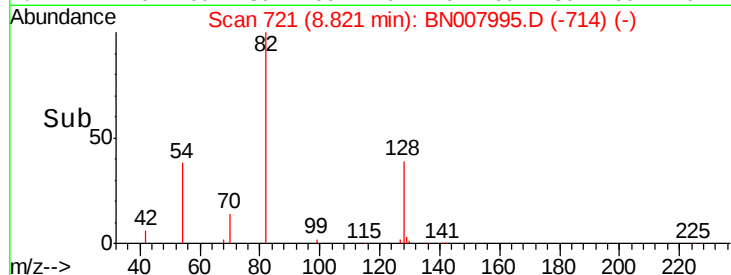


Abundance Ion 82.00 (81.70 to 82.70): BN007706.D (-719) (-)

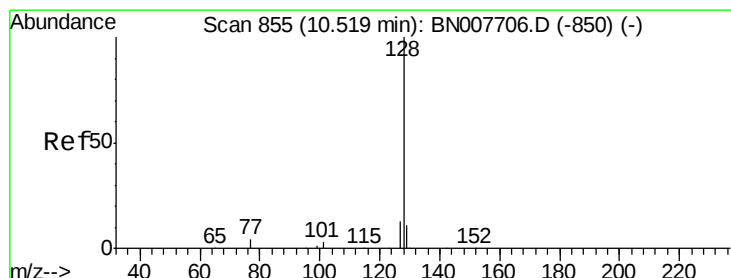
Ion 128.00 (127.70 to 128.70): BN007706.D (-719) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-719) (-)

Time-->



Time-->



#9

Naphthalene

Concen: 0.210 ng

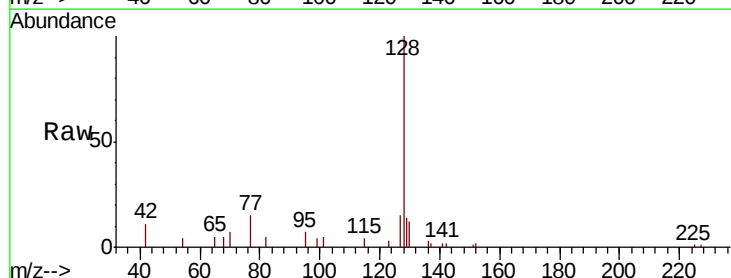
RT: 10.49 min Scan# 853

Delta R.T. -0.03 min

Lab File: BN007995.D

Acq: 03 Oct 2019 23:59

Tgt Ion:	128	Resp:	11884
Ion Ratio	Lower	Upper	
128	100		
129	13.9	9.1	13.7#
127	14.8	10.6	15.8

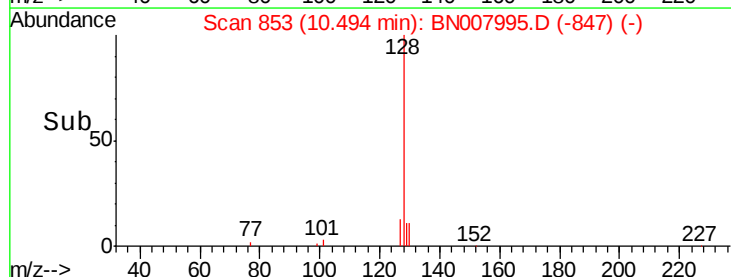


Abundance Ion 128.00 (127.70 to 128.70): BN007706.D (-850) (-)

Ion 129.00 (128.70 to 129.70): BN007706.D (-850) (-)

Ion 127.00 (126.70 to 127.70): BN007706.D (-850) (-)

Time-->



Time-->



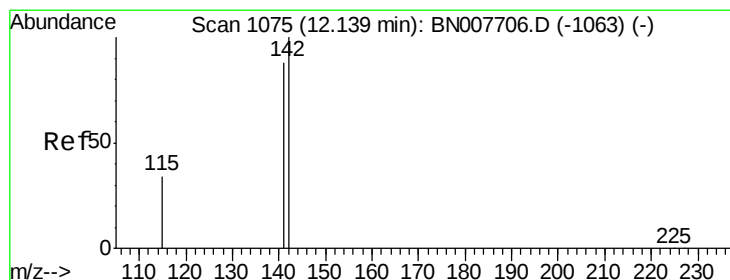
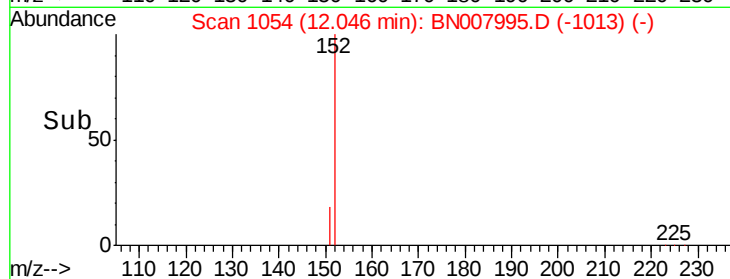
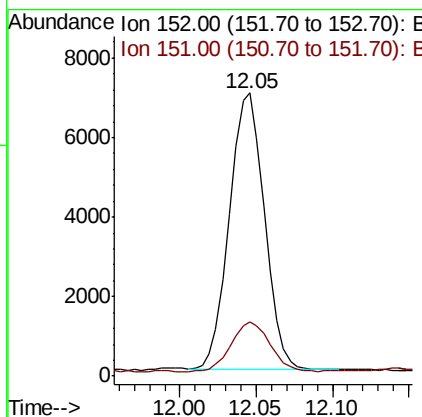
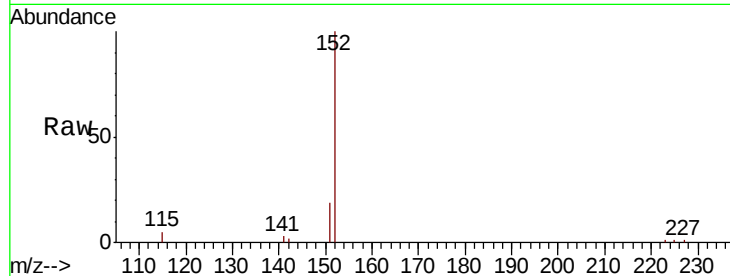
#11
2-Methylnaphthalene-d10
Concen: 0.328 ng
RT: 12.05 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Instrument :
BNA_N
ClientSampleId :
PST-024-B269-092519

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.2

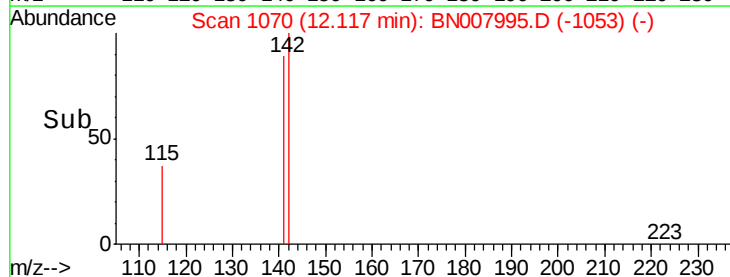
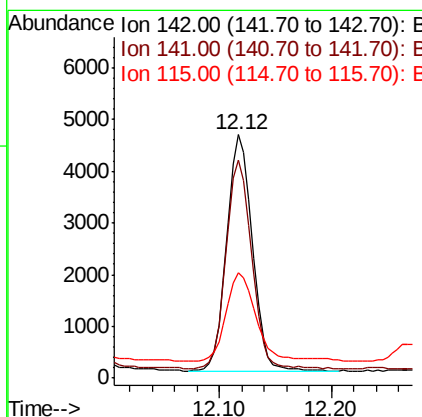
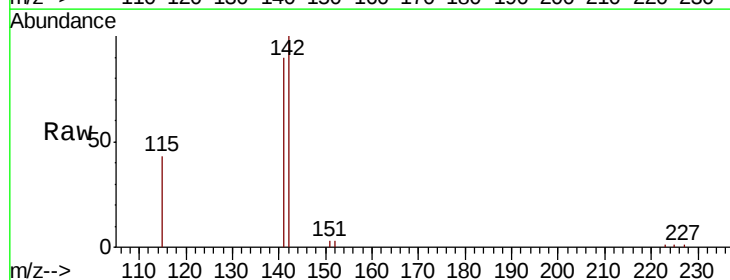
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#12
2-Methylnaphthalene
Concen: 0.188 ng
RT: 12.12 min Scan# 1070
Delta R.T. -0.02 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.6	106.0
115	43.2	28.3	42.5#





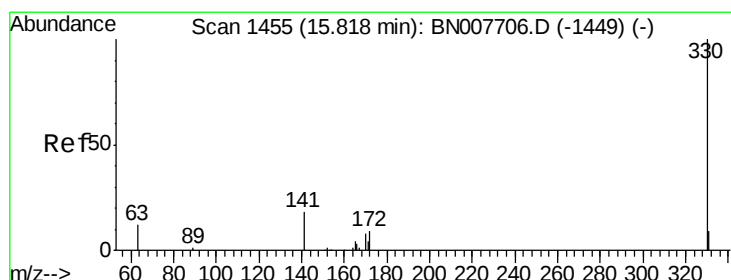
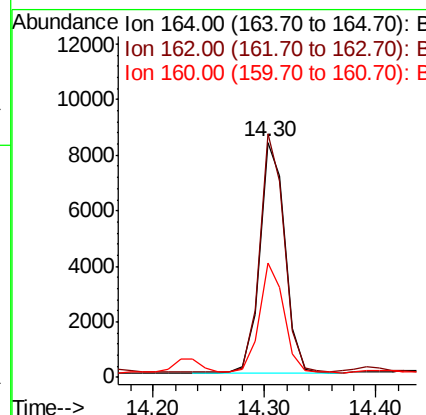
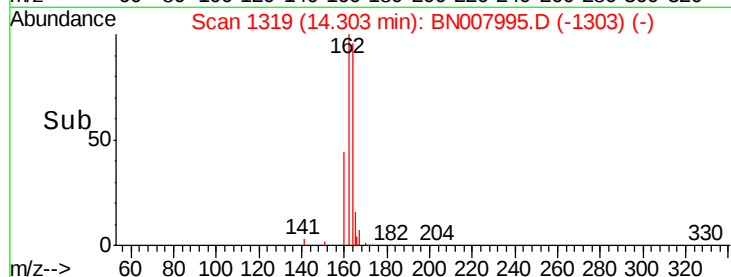
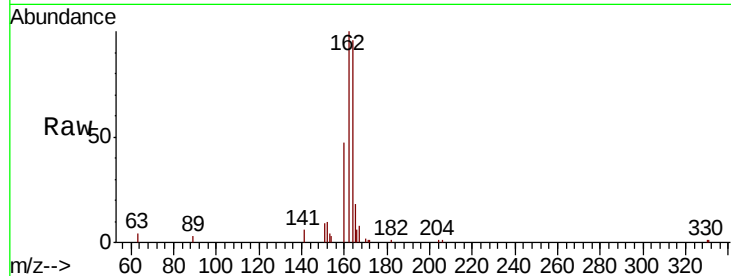
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Instrument :
BNA_N
ClientSampleId :
PST-024-B269-092519

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.7	122.5
160	48.9	37.0	55.4

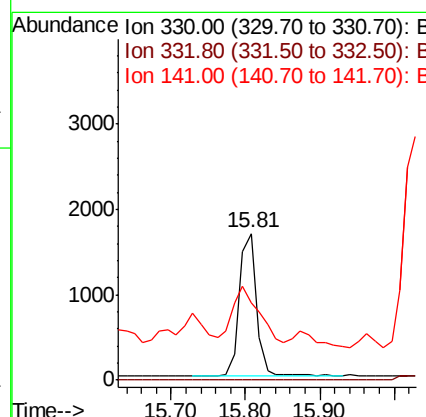
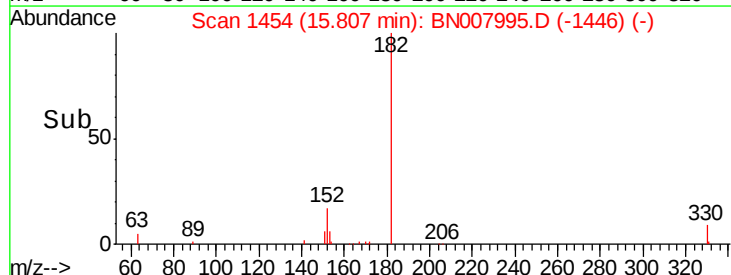
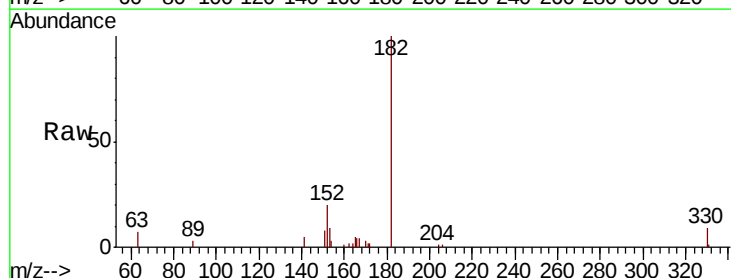
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#14
2,4,6-Tribromophenol
Concen: 0.374 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	59.3	28.7	43.1#





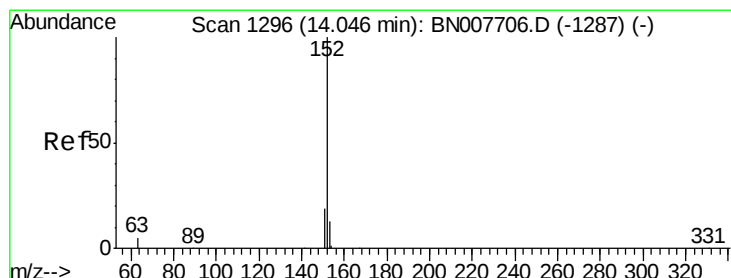
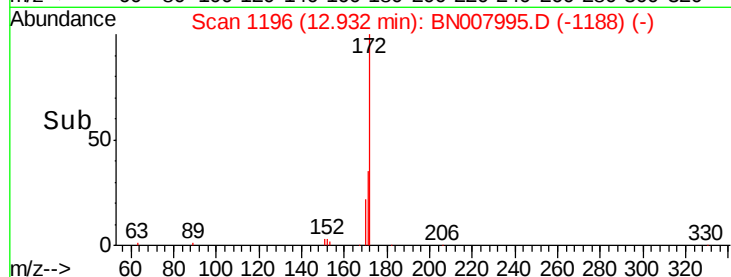
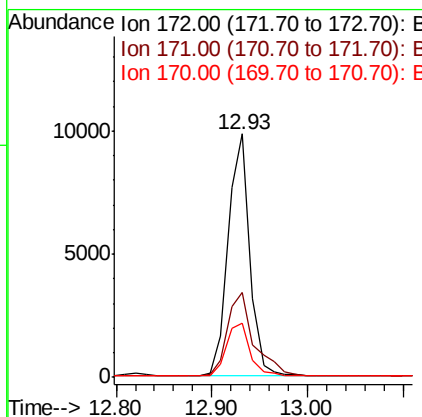
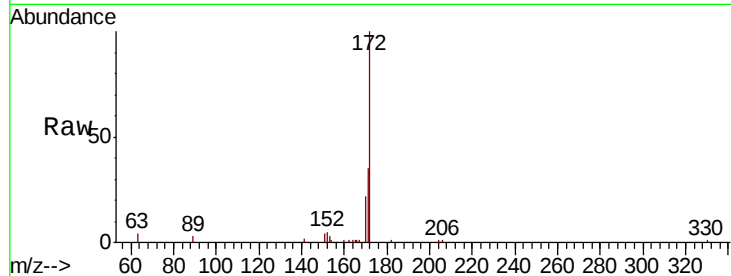
#15
2-Fluorobiphenyl
Concen: 0.284 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Instrument :
BNA_N
ClientSampleId :
PST-024-B269-092519

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.8	43.2
170	22.3	19.5	29.3

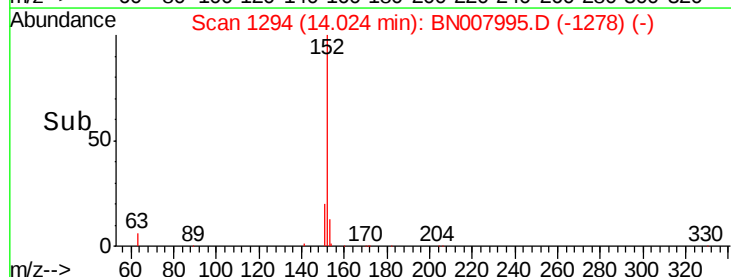
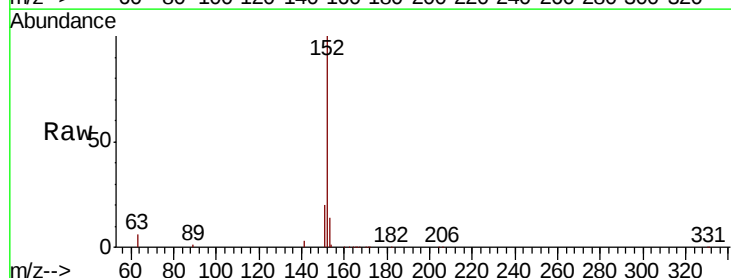
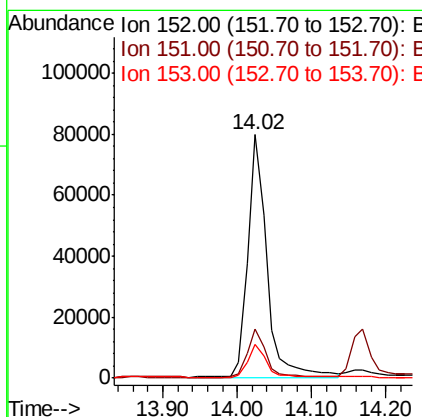
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#16
Acenaphthylene
Concen: 2.038 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.5	23.3
153	13.4	10.4	15.6





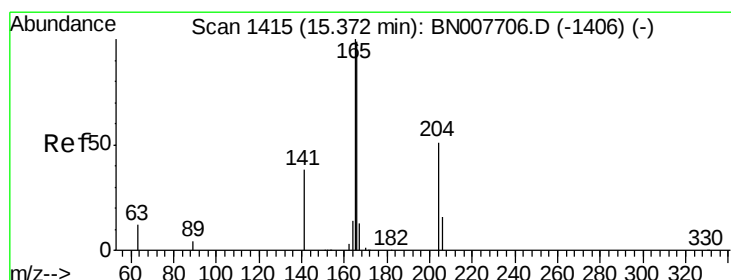
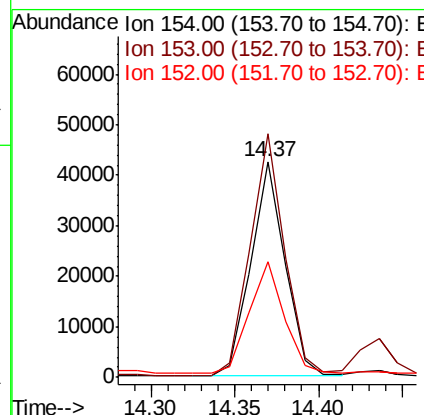
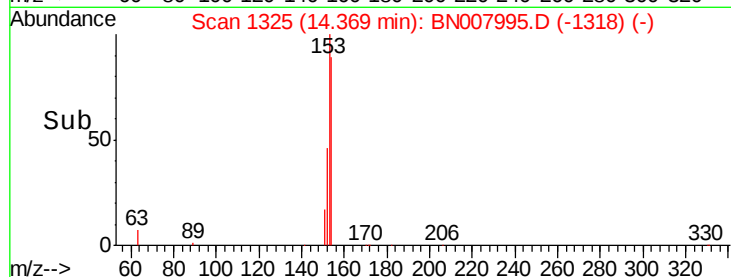
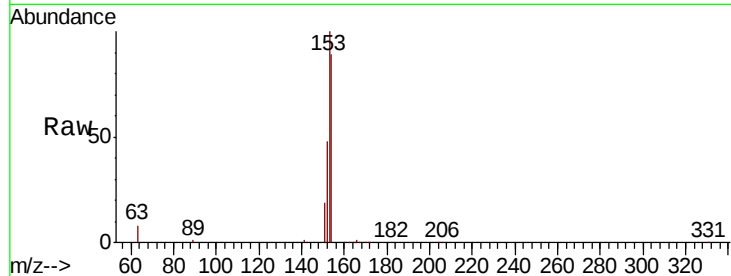
#17
Acenaphthene
Concen: 1.352 ng
RT: 14.37 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Instrument :
BNA_N
ClientSampleId :
PST-024-B269-092519

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.8	87.0	130.4
152	53.4	42.7	64.1

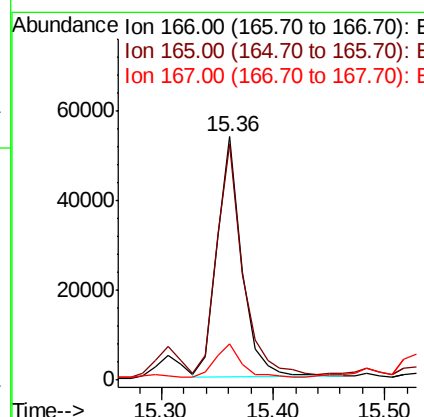
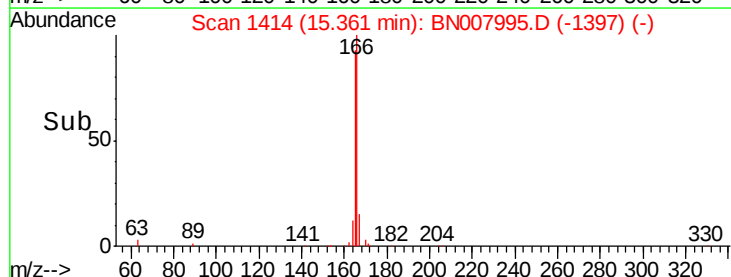
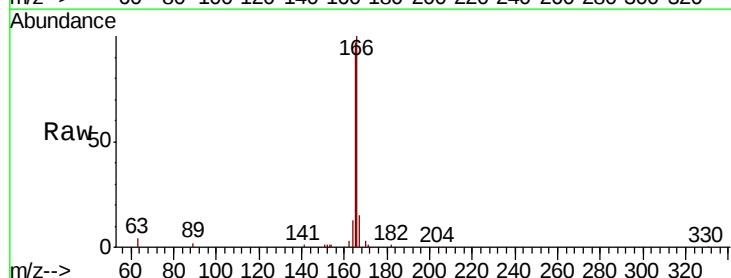
Manual Integrations
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#18
Fluorene
Concen: 1.444 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.8	78.0	117.0
167	15.6	10.9	16.3





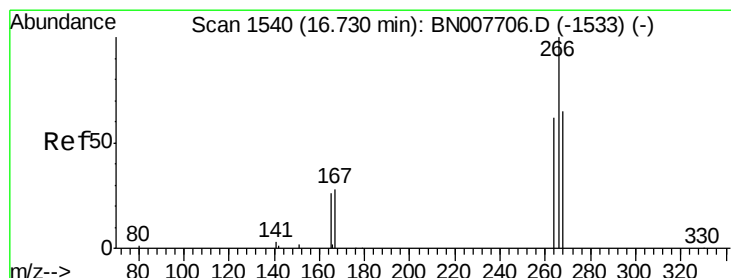
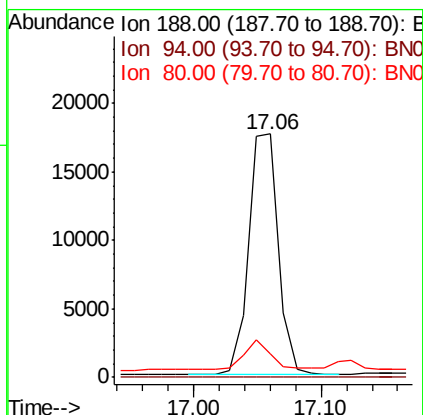
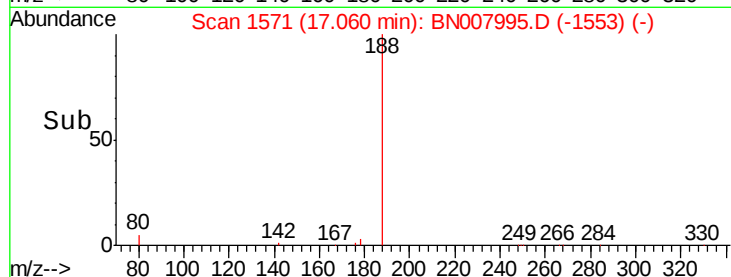
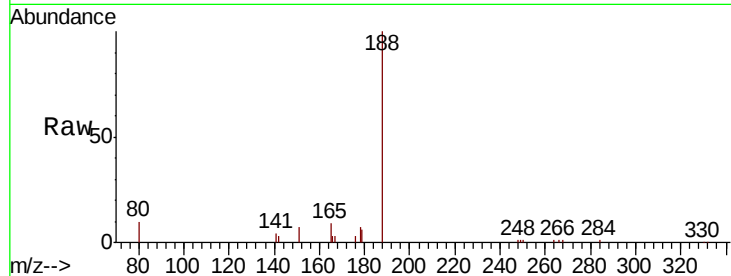
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Instrument :
BNA_N
ClientSampleId :
PST-024-B269-092519

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	7.4	11.2

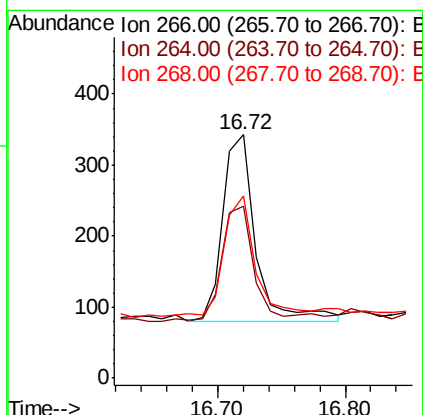
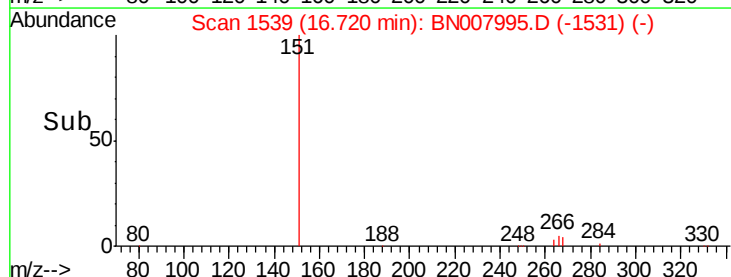
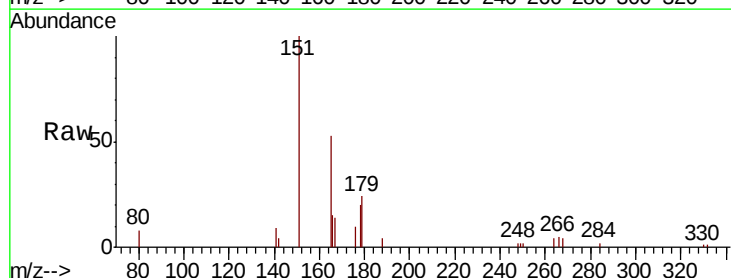
Manual Integrations
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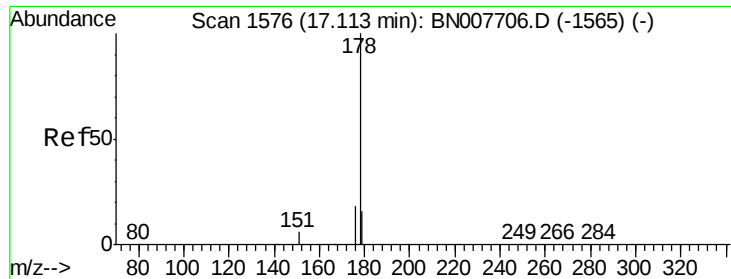
mohammad
10/7/2019 8:27:48 AM



#22
Pentachlorophenol
Concen: 0.068 ng
RT: 16.72 min Scan# 1539
Delta R.T. -0.01 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
264	70.6	50.0	75.0
268	74.9	54.2	81.4





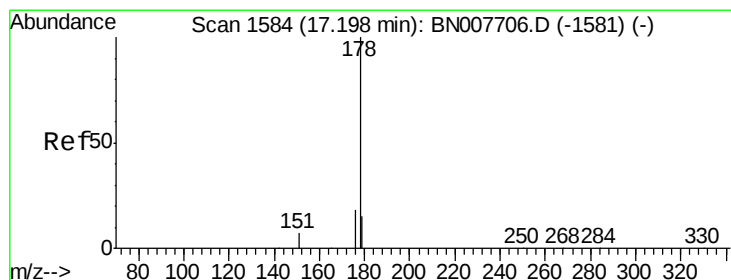
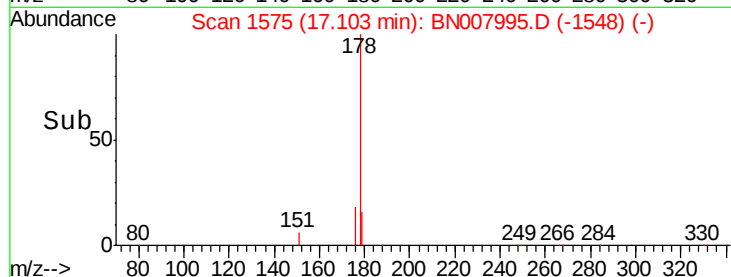
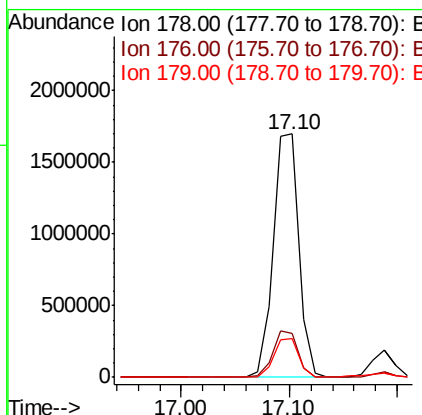
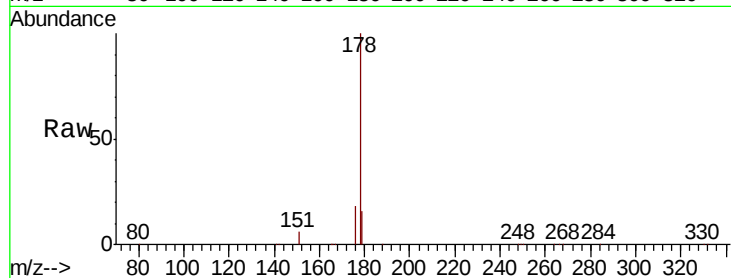
#23
Phenanthrene
Concen: 31.603 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Instrument :
BNA_N
ClientSampleId :
PST-024-B269-092519

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.9	12.5	18.7

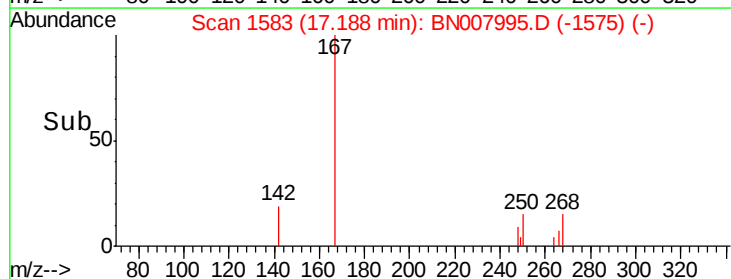
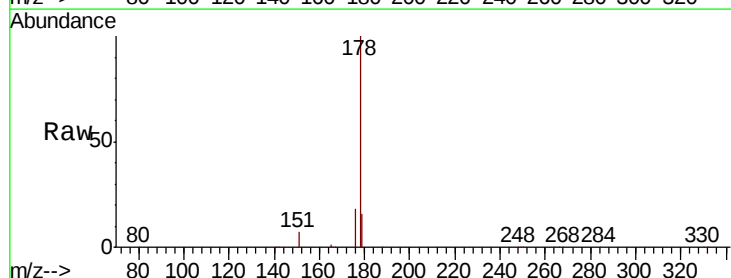
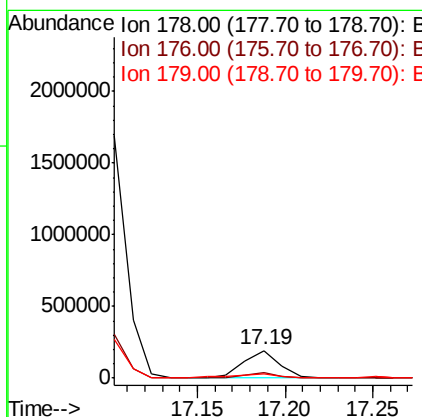
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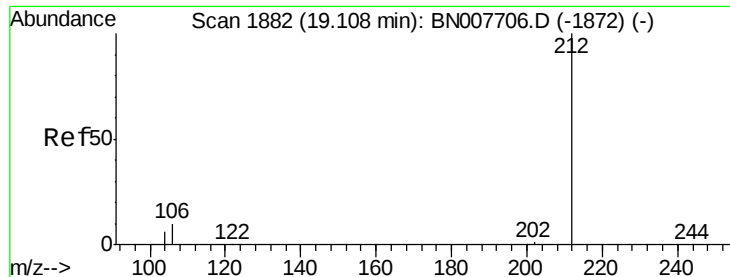
mohammad
10/7/2019 8:27:48 AM



#24
Anthracene
Concen: 3.348 ng
RT: 17.19 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	20.3	12.2	18.4#





#25

Fluoranthene-d10

Concen: 0.317 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BN007995.D

Acq: 03 Oct 2019 23:59

Instrument :

BNA_N

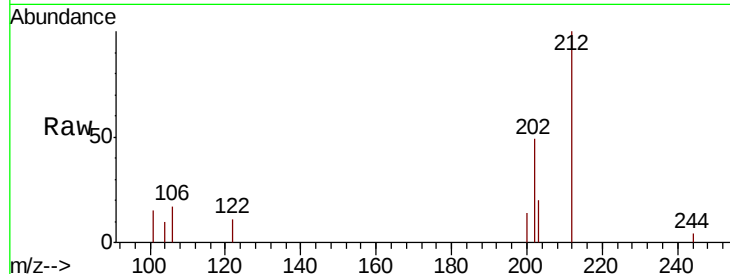
ClientSampleId :

PST-024-B269-092519

Tot Ion	Ratio	Lower	Upper
212	100		
106	12.0	9.4	14.0
104	8.8	5.3	7.9

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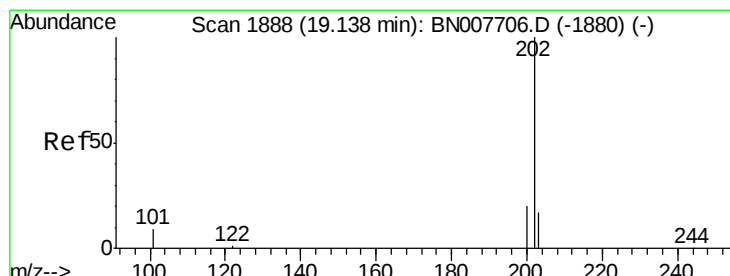
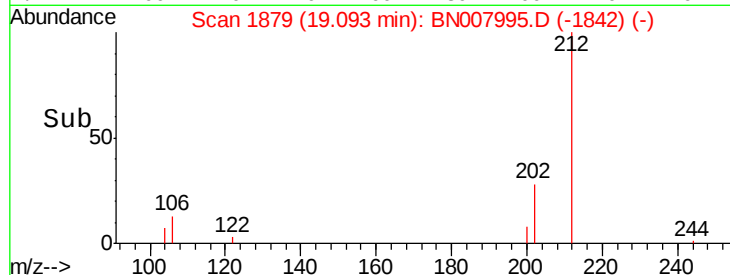
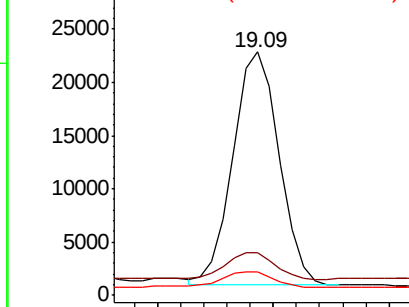


Abundance

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: 50.841 ng

RT: 19.13 min Scan# 1886

Delta R.T. -0.01 min

Lab File: BN007995.D

Acq: 03 Oct 2019 23:59

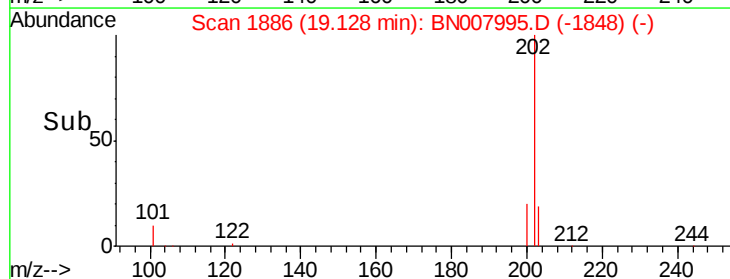
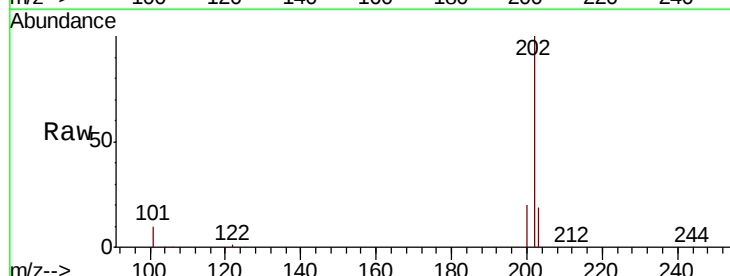
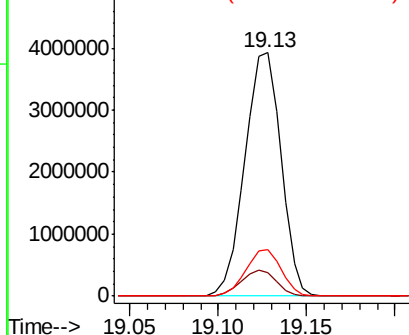
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.4	12.6
203	18.4	13.8	20.8

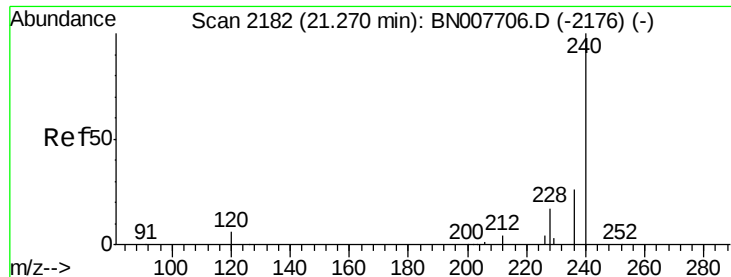
Abundance

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# 2180

Delta R.T. -0.02 min

Lab File: BN007995.D

Acq: 03 Oct 2019 23:59

Instrument :

BNA_N

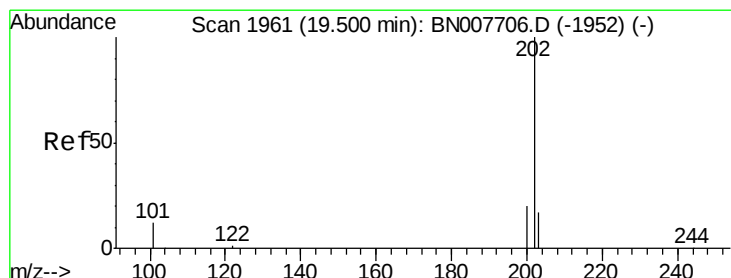
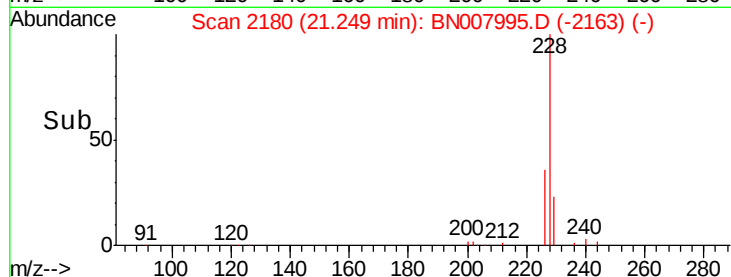
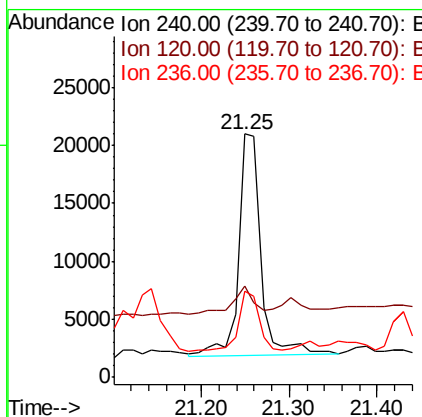
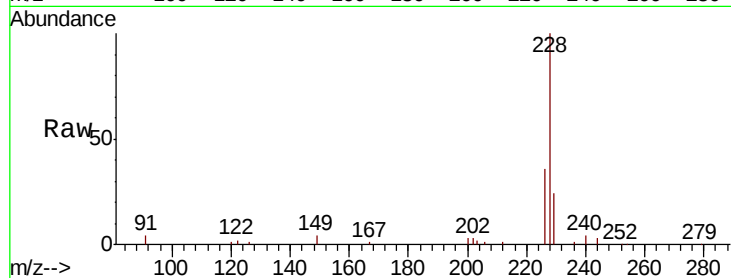
ClientSampleId :

PST-024-B269-092519

Tot Ion	Ion	Ratio	Lower	Upper
240	100			
120	37.3	5.4	8.2#	
236	35.3	21.0	31.4#	

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#28

Pyrene

Concen: 40.463 ng

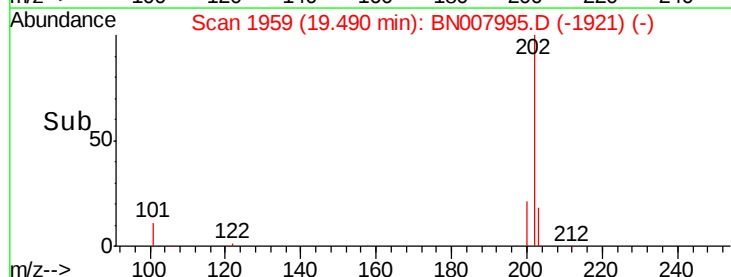
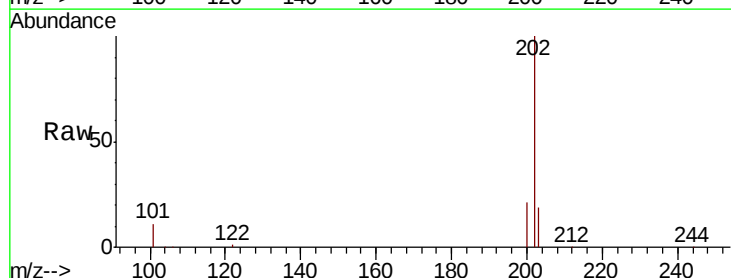
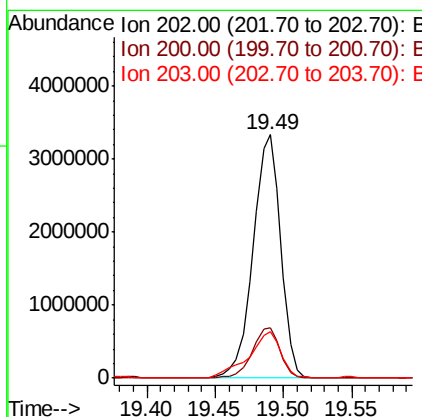
RT: 19.49 min Scan# 1959

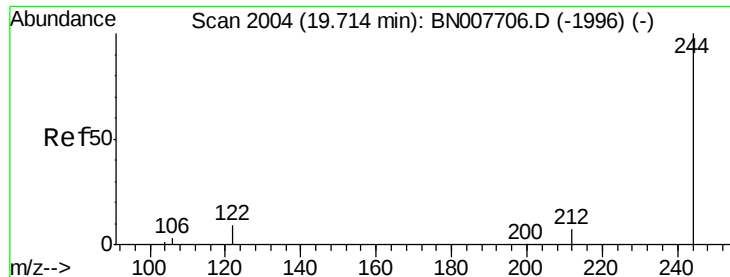
Delta R.T. -0.01 min

Lab File: BN007995.D

Acq: 03 Oct 2019 23:59

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
200	20.8	16.4	24.6	
203	22.2	14.1	21.1#	





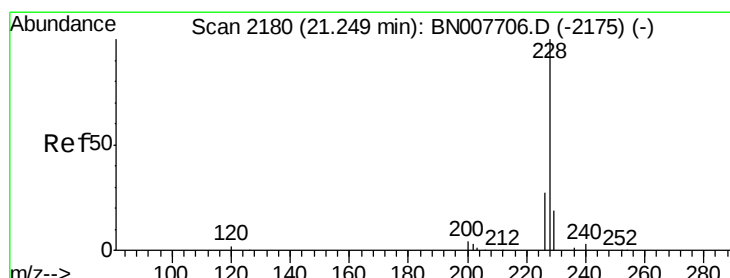
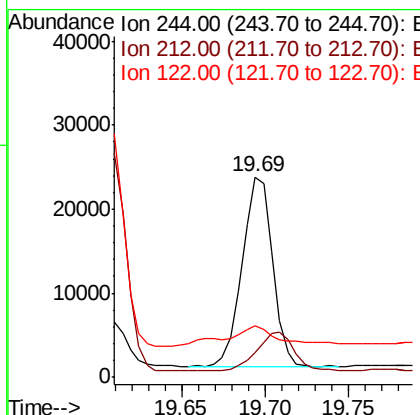
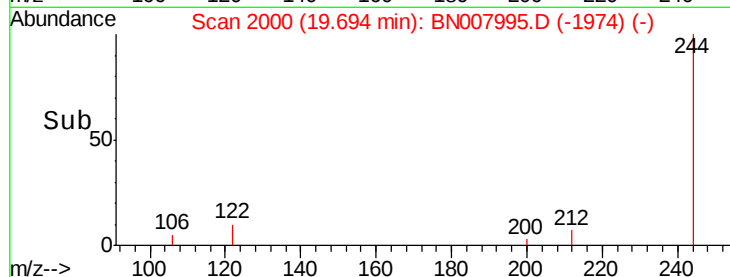
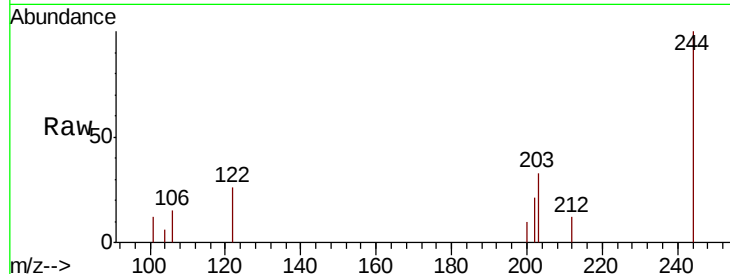
#29
 Terphenyl-d14
 Concen: 0.346 ng
 RT: 19.69 min Scan# 2000
 Delta R.T. -0.02 min
 Lab File: BN007995.D
 Acq: 03 Oct 2019 23:59

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B269-092519

Tot Ion	Ratio	Lower	Upper
244	100		
212	12.3	5.9	8.9#
122	25.6	7.4	11.2#

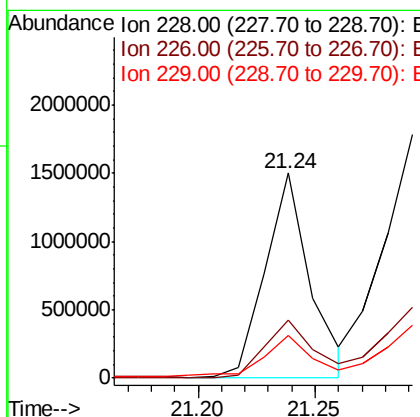
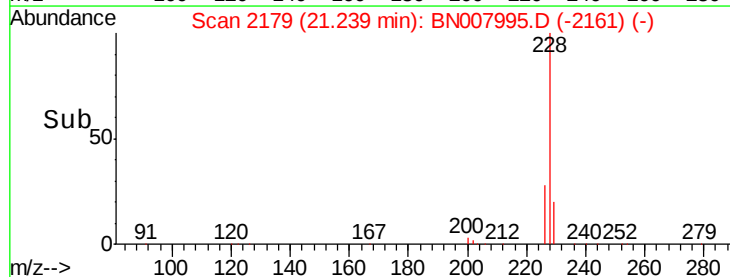
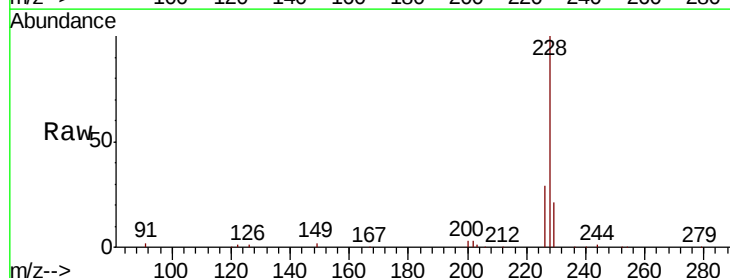
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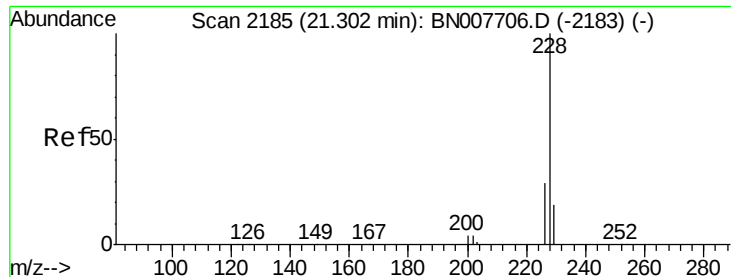
mohammad
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#30
 Benzo(a)anthracene
 Concen: 15.963 ng
 RT: 21.24 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BN007995.D
 Acq: 03 Oct 2019 23:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.1	33.1
229	21.0	15.8	23.6





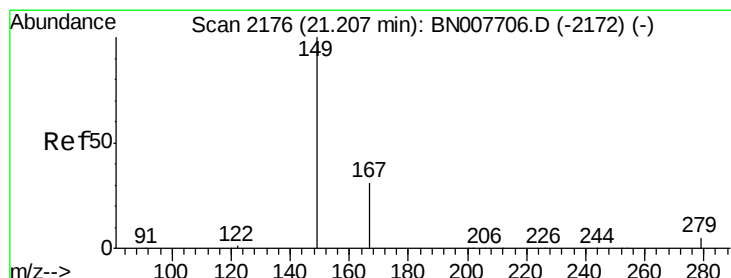
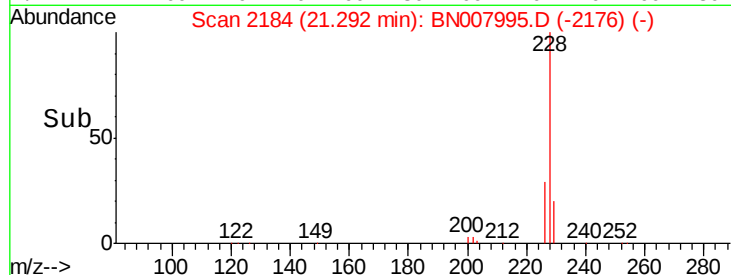
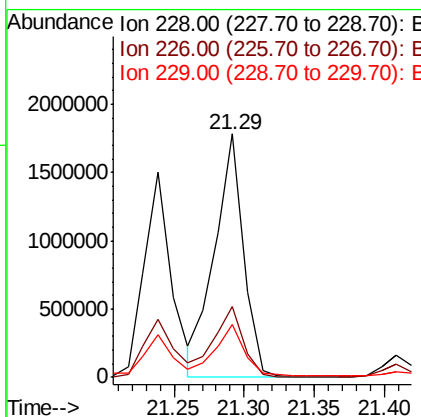
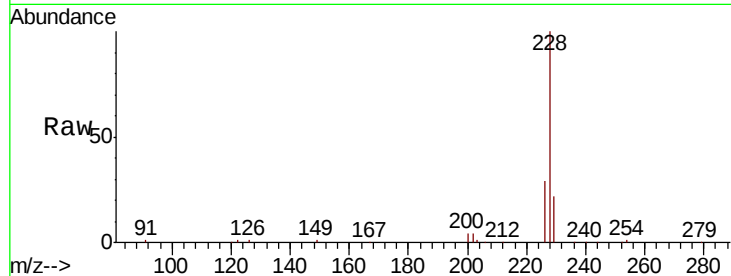
#31
Chrysene
Concen: 20.785 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Instrument :
BNA_N
ClientSampleId :
PST-024-B269-092519

Tot Ion:228 Resp: 2531314
Ion Ratio Lower Upper
228 100
226 29.0 23.9 35.9
229 21.9 15.8 23.6

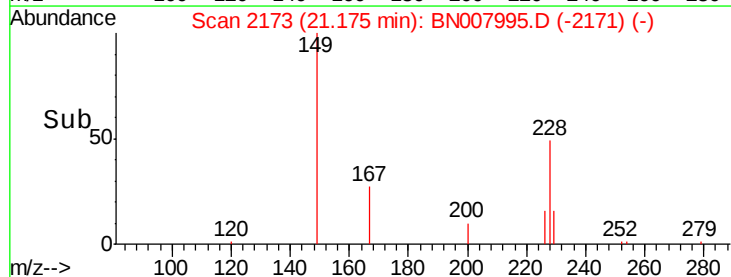
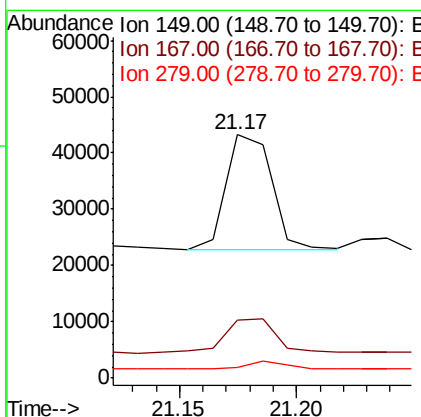
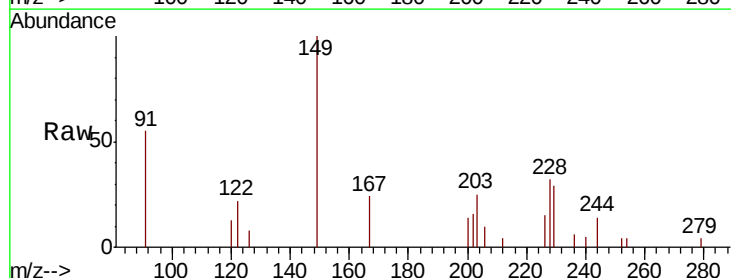
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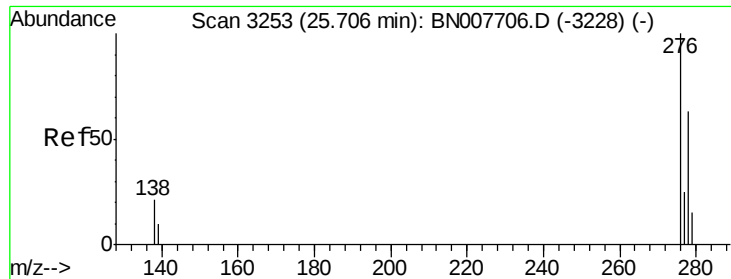
mohammad
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#32
Bis(2-ethylhexyl)phthalate
Concen: 0.426 ng
RT: 21.17 min Scan# 2173
Delta R.T. -0.03 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Tgt Ion:149 Resp: 27352
Ion Ratio Lower Upper
149 100
167 30.4 23.7 35.5
279 5.7 4.2 6.2





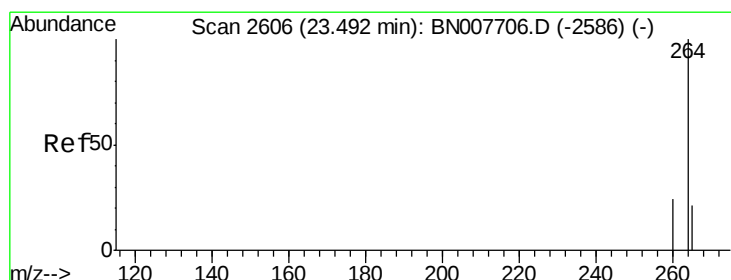
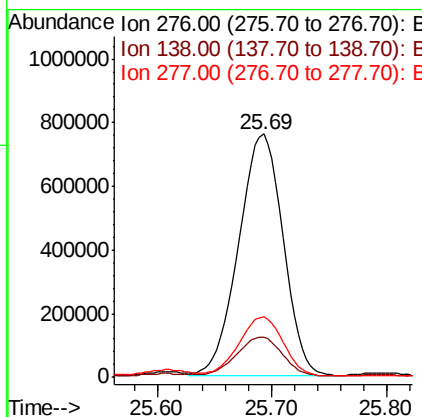
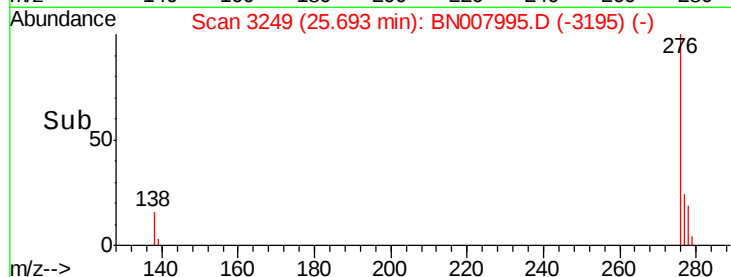
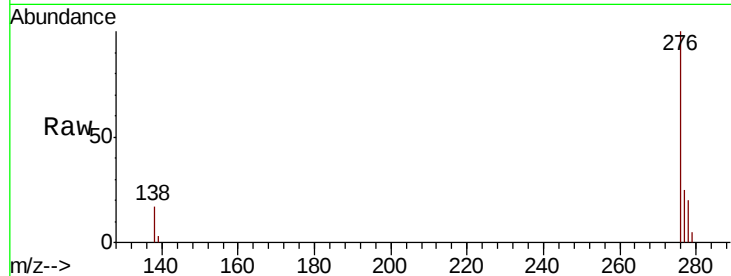
#33
Indeno(1,2,3-cd)pyrene
Concen: 13.296 ng
RT: 25.69 min Scan# 3249
Delta R.T. -0.01 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Instrument :
BNA_N
ClientSampleId :
PST-024-B269-092519

Tot Ion:276 Resp: 2027394
Ion Ratio Lower Upper
276 100
138 16.5 17.1 25.7#
277 24.7 20.0 30.0

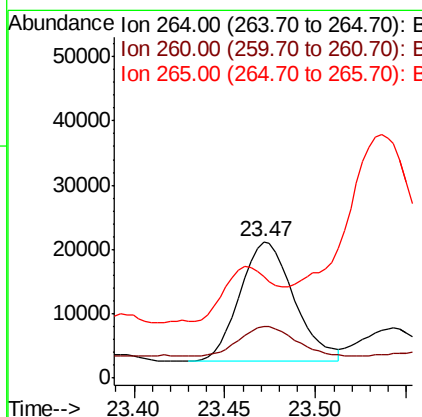
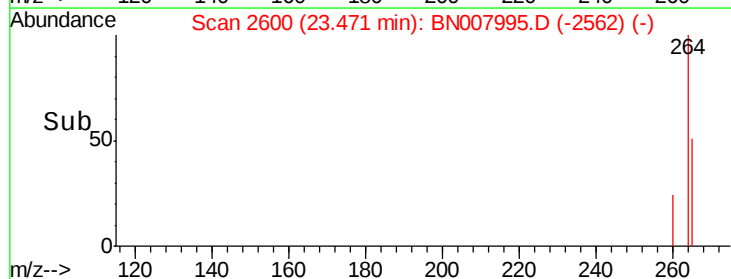
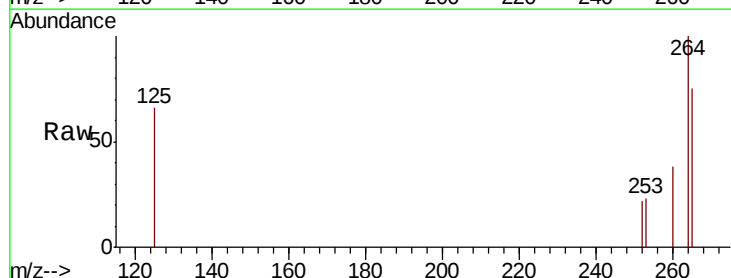
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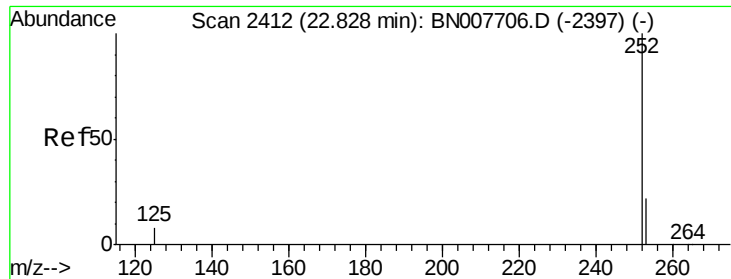
mohammad
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.47 min Scan# 2600
Delta R.T. -0.02 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Tgt Ion:264 Resp: 38878
Ion Ratio Lower Upper
264 100
260 38.0 19.3 28.9#
265 75.0 26.9 40.3#





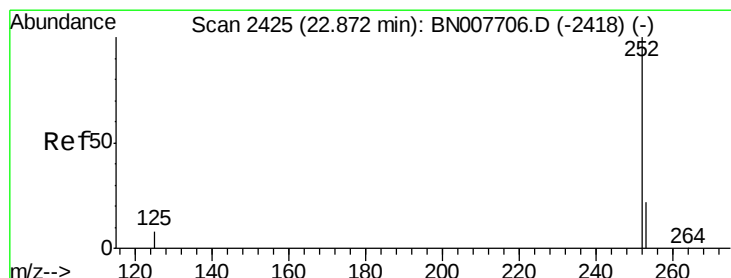
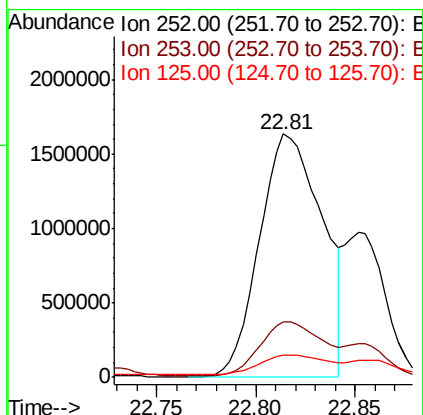
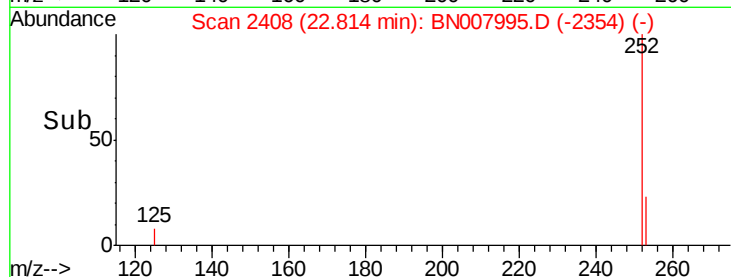
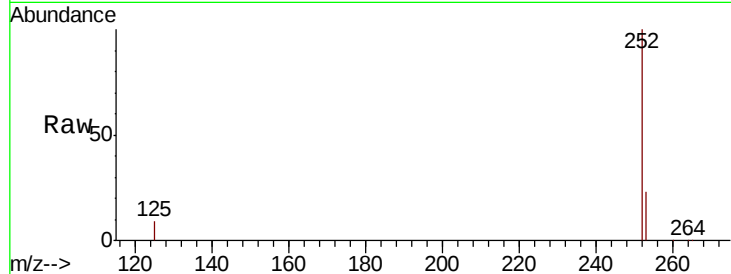
#35
Benzo(b)fluoranthene
Concen: 26.595 ng
RT: 22.81 min Scan# 2408
Delta R.T. -0.01 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Instrument :
BNA_N
ClientSampleId :
PST-024-B269-092519

Tot Ion:252 Resp: 3589539
Ion Ratio Lower Upper
252 100
253 23.0 18.3 27.5
125 9.0 8.2 12.4

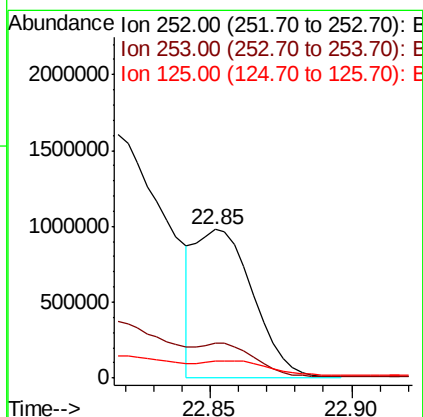
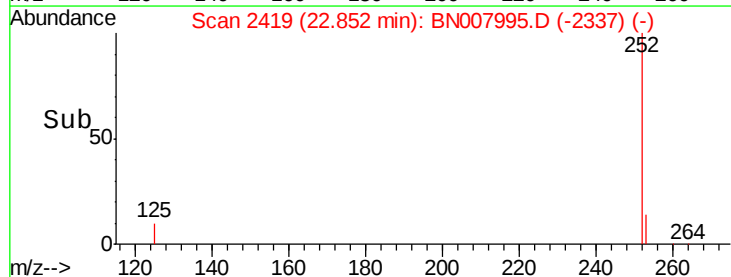
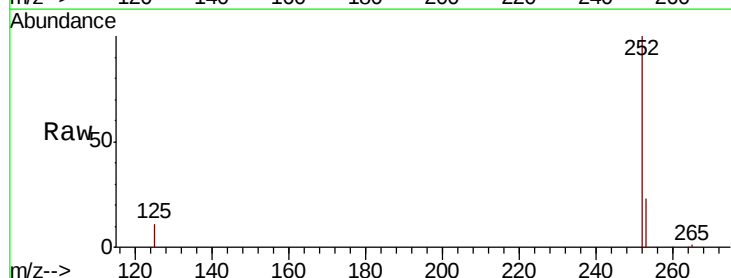
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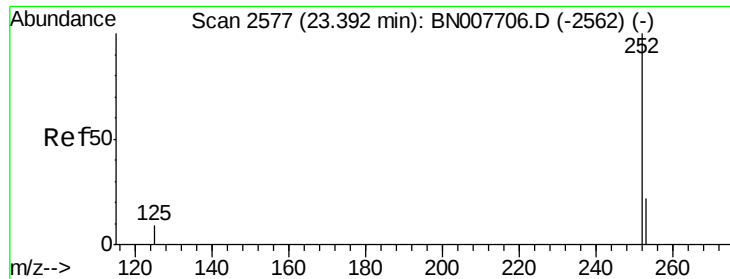
mohammad
10/7/2019 8:27:48 AM



#36
Benzo(k)fluoranthene
Concen: 10.481 ng m
RT: 22.85 min Scan# 2419
Delta R.T. -0.02 min
Lab File: BN007995.D
Acq: 03 Oct 2019 23:59

Tgt Ion:252 Resp: 1398824
Ion Ratio Lower Upper
252 100
253 23.2 18.5 27.7
125 11.3 8.4 12.6





#37

Benzo(a)pyrene

Concen: 17.871 ng

RT: 23.38 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BN007995.D

Acq: 03 Oct 2019 23:59

Instrument :

BNA_N

ClientSampleId :

PST-024-B269-092519

Tot Ion:252 Resp: 2266773

Ion Ratio Lower Upper

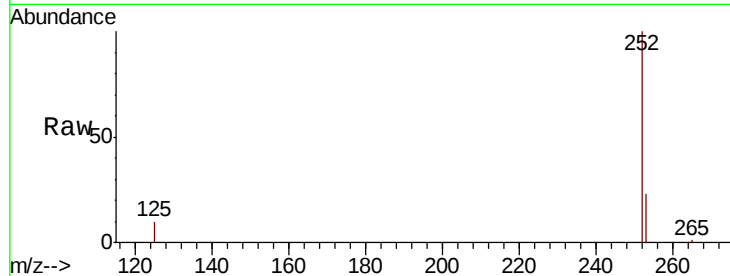
252 100

253 22.6 18.6 27.8

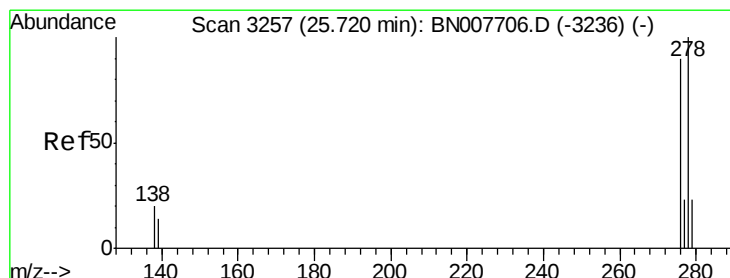
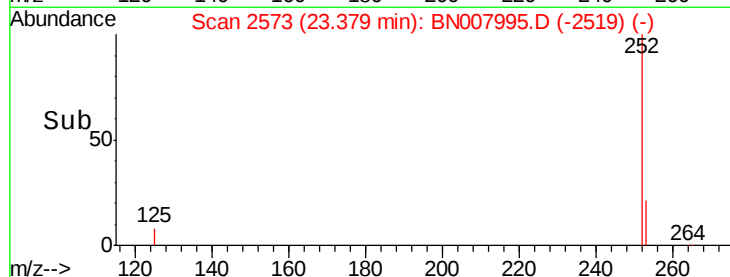
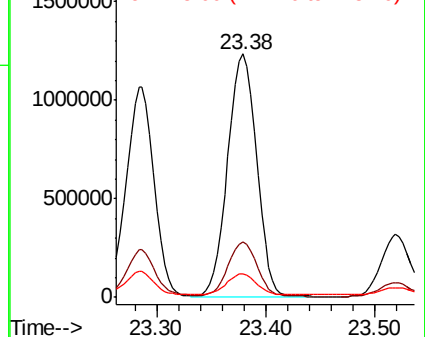
125 9.6 9.4 14.0

Manual Integrations
APPROVED

mohammad
10/7/2019 8:27:48 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



#38

Dibenzo(a,h)anthracene

Concen: 3.417 ng

RT: 25.69 min Scan# 3249

Delta R.T. -0.03 min

Lab File: BN007995.D

Acq: 03 Oct 2019 23:59

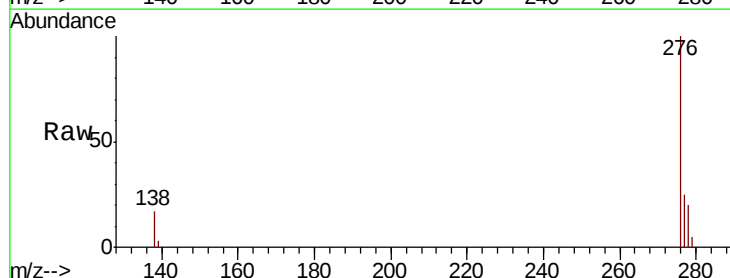
Tgt Ion:278 Resp: 443507

Ion Ratio Lower Upper

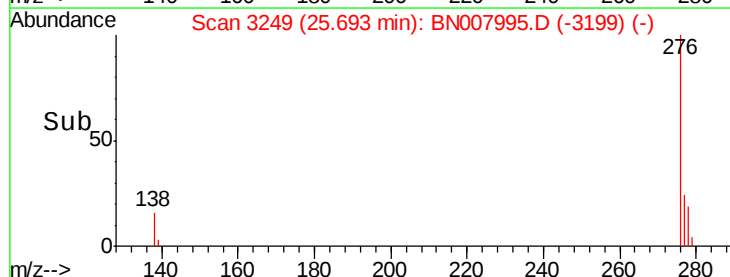
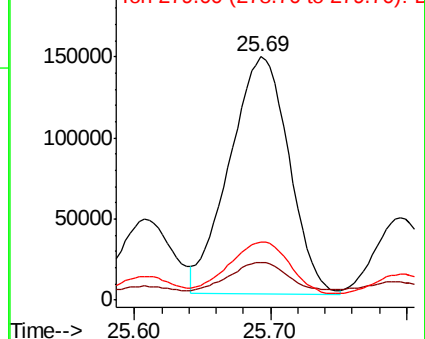
278 100

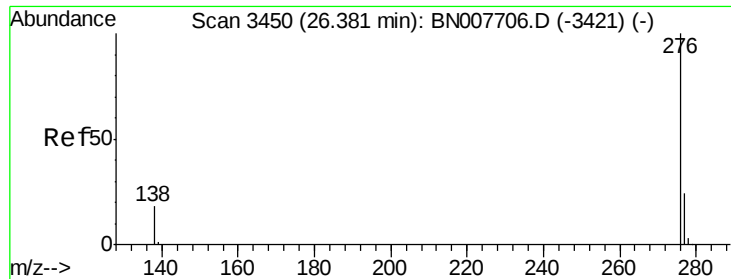
139 15.7 11.8 17.6

279 23.9 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 16.536 ng

RT: 26.37 min Scan# 3447

Delta R.T. -0.01 min

Lab File: BN007995.D

Acq: 03 Oct 2019 23:59

Instrument :

BNA_N

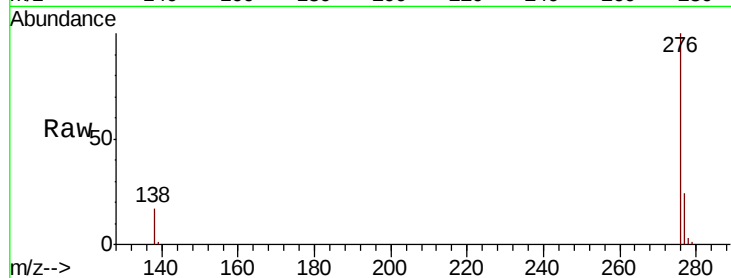
ClientSampleId :

PST-024-B269-092519

Tot Ion:	276	Resp:	2123530
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.8	29.8
138	17.2	15.1	22.7

Manual Integrations
APPROVED

mohammad
10/7/2019 8:27:48 AM



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

